

**Proceedings of the 314<sup>th</sup> SEAC Meeting held on 18<sup>th</sup> & 19<sup>th</sup> July – 2024**

**Members present in the meeting held on 18<sup>th</sup> July - 2024**

|    |                           |                  |
|----|---------------------------|------------------|
| 1. | Shri Mahesh A.N.          | Chairman         |
| 2. | Shri Ravi Kumar Yadav,    | Member           |
| 3. | Dr. Balakrishna S,        | Member           |
| 4. | Shri Shivappa Naik,       | Member           |
| 5. | Shri K H Nagaraj,         | Member           |
| 6. | Shri Sadiq Ahmed,         | Member           |
| 7. | Dr. Sangamesh Kolliyavar, | Member           |
| 8. | Shri Dhruva Kumara B Y,   | Member           |
| 9. | Shri. R Gokul, IFS        | Member Secretary |

**Officials Present**

|   |           |                  |
|---|-----------|------------------|
| 1 | Suhas H S | Supporting Staff |
|---|-----------|------------------|

The Chairman welcomed the members and initiated the discussion.

The proceedings of the 313<sup>th</sup> SEAC meeting held on 25<sup>th</sup> & 26<sup>th</sup> June –2024 was read and in agenda number 313.1.2 of Ramghad Manganese & Iron Ores Mine (Mining Lease No.2679) falling in Swamimalai and Ramanamalai forest blocks, the last para was re-deliberated and the following needs to be incorporated.

“...Considering the proved mineable reserve of 1.0663 MT of Manganese ore & 1.9036 MT of Iron ore as per the approved Mining plan, the Committee estimated the life of the mine to be 22 years for Manganese ore and decided to recommend the proposal to SEIAA for issue of Environment Clearance for annual production of 0.216 MTPA of Iron ore and 0.032MTPA of Manganese ore and handling of 0.327 MT of already stocked incidental iron ore within first two years, with following considerations,

1. To comply with the observations in CCR issued by MoEF&CC
2. To comply with the request of public, expressed during public hearing.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To take necessary measures to arrest noise and vibration from the mining area.
5. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.”

and no change in decision and all other deliberation to remain unchanged and the Committee confirmed the minutes.

**314.1.1 EIA- Limestone & Dolomite Mine Project at Sy. Nos. 13 & 139, 140 & 141 of Halki Village & Ningapur Village, Mudhol Taluk, Bagalkot District (4.856 Ha) (ML.No.2474) by M/s. Navodaya Minerals – Online Proposal No.SIA/KA/MIN/467404/2024 (SEIAA 361 MIN 2022)**

The Proponent remained absent without intimation and hence the Committee after discussion decided to defer the appraisal of the Project.

**Action: Member Secretary, SEAC to putup before SEAC in upcoming meeting.**

**314.1.2 Development of Row Houses and Club House Project at Addevishwanathapura village, Hesarghatta Hobli, Yelahanka Taluk, Bangalore Urban District by M/s. Surya Developers – Online Proposal No.SIA/KA/INFRA2/482327/2024 (SEIAA 70 CON 2024)**

**About the project:**

| SL.No. | Particulars                                                                                                             | Information Provided by Proponent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent                                                                                 | M/s. Surya Developers<br>No. 684, 2 <sup>nd</sup> Floor, HIG 'A' Sector, Above State Bank of Hyderabad, Opp. Sheshadripuram College, Yelahanka New Town, Bengaluru-560064                                                                                                                                                                                                                                                                                                                                                                 |
| 2      | Name & Location of the Project                                                                                          | Development of Row Houses and Club House Project at Sy.No's 96/4, 98/11, 98/12, 98/13, 98/14, 200/ 7, 200/9, 200/10, 200/11, 201/1, 201/2, 201/7, 201/8, 201/9, 201/10 of Addevishwanathapura village, Hesarghatta Hobli, Yelahanka Taluk, Bangalore Urban District                                                                                                                                                                                                                                                                       |
| 3      | Type of Development                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        | a. Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Proposed Development of Row Houses and Club House Project, 8 (a)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|        | b. Residential Township/ Area Development Projects                                                                      | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|        | c. Zoning Classification                                                                                                | Residential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 4      | New/Expansion/Modification/Renewal                                                                                      | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 5      | Water Bodies/ Nalas in the vicinity of project site                                                                     | K.G. Kuntanahalli Lake located at the distance of 3.50 (NW) from the Project boundary.<br>Marasandra Lake located at the distance of 2.85 Km (N) from the Project boundary.<br>Hesaraghatta Lake located at the distance of 5.25 Km (SW) from the Project boundary.<br>Chikkajala Lake located at the distance of 8.90 Km (SE) from the Project boundary.<br>Gantiganahalli Lake located at the distance of 7.00 Km (SW) from the Project boundary.<br>Yealahanka kere located at the distance of 9.70 Km (SE) from the Project boundary. |
| 6      | Plot Area (Sqm)                                                                                                         | 35,781.15 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 7      | Built Up area (Sqm)                                                                                                     | 36,601.97 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 8      | FAR<br>Permissible<br>Proposed                                                                                          | 1.50<br>0.92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|----|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 9  | Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | The proposed projects is a construction of Residential Row Houses having building configuration of G+2UF and G+3 UF with 122 Row Houses and club house                                                            |                                                                                                                                                                                    |         |
| 10 | Number of units/plots in case of Construction/Residential Township /Area Development Projects               | 122 Row Houses<br>G+2UF and G+3 UF                                                                                                                                                                                |                                                                                                                                                                                    |         |
| 11 | Height Clearance                                                                                            | 13.80 meter                                                                                                                                                                                                       |                                                                                                                                                                                    |         |
| 12 | Project Cost (Rs. In Crores)                                                                                | Rs. 60.00                                                                                                                                                                                                         |                                                                                                                                                                                    |         |
| 13 | Quantity excavated earth & its management                                                                   | Excavated earth of 3578.11Cum<br>The earth excavated generated from the project site will be utilized within the project premises for back filling, gardening road and walkway and construction of compound wall. |                                                                                                                                                                                    |         |
| 14 | Details of Land Use (Sqm)                                                                                   |                                                                                                                                                                                                                   |                                                                                                                                                                                    |         |
|    | a.                                                                                                          | Ground Coverage Area                                                                                                                                                                                              | 9,326.48 Sqm                                                                                                                                                                       |         |
|    | b.                                                                                                          | Kharab Land                                                                                                                                                                                                       | -                                                                                                                                                                                  |         |
|    | c.                                                                                                          | Total Green belt on Mother Earth                                                                                                                                                                                  | 14,670.27 Sqm                                                                                                                                                                      |         |
|    | d.                                                                                                          | Internal Roads                                                                                                                                                                                                    | 11,784.40 Sqm                                                                                                                                                                      |         |
|    | e.                                                                                                          | Paved area                                                                                                                                                                                                        |                                                                                                                                                                                    |         |
|    | f.                                                                                                          | Others Specify                                                                                                                                                                                                    | -                                                                                                                                                                                  |         |
|    | g.                                                                                                          | Parks and Open space in case of Residential Township/ Area Development Projects                                                                                                                                   | -                                                                                                                                                                                  |         |
|    | h.                                                                                                          | Total                                                                                                                                                                                                             | 35,781.15 Sqm                                                                                                                                                                      |         |
| 15 | WATER                                                                                                       |                                                                                                                                                                                                                   |                                                                                                                                                                                    |         |
|    | I.                                                                                                          | Construction Phase                                                                                                                                                                                                |                                                                                                                                                                                    |         |
|    | a.                                                                                                          | Source of water                                                                                                                                                                                                   | Treated Water Tankers                                                                                                                                                              |         |
|    | b.                                                                                                          | Quantity of water for Construction in KLD                                                                                                                                                                         | 10 KLD                                                                                                                                                                             |         |
|    | c.                                                                                                          | Quantity of water for Domestic Purpose in KLD                                                                                                                                                                     | 2.7 KLD                                                                                                                                                                            |         |
|    | d.                                                                                                          | Waste water generation in KLD                                                                                                                                                                                     | 2.16 KLD                                                                                                                                                                           |         |
|    | e.                                                                                                          | Treatment facility proposed and scheme of disposal of treated water                                                                                                                                               | The total domestic waste water generated during construction phase will be treated in mobile STP and the treated water will be used for periphery landscaping developing the area. |         |
|    | II.                                                                                                         | Operational Phase                                                                                                                                                                                                 |                                                                                                                                                                                    |         |
|    | a.                                                                                                          | Total Requirement of Water in KLD                                                                                                                                                                                 | Net fresh water requirement                                                                                                                                                        | 74 KLD  |
|    |                                                                                                             |                                                                                                                                                                                                                   | Recycled water for flushing                                                                                                                                                        | 38 KLD  |
|    |                                                                                                             |                                                                                                                                                                                                                   | Total water requirement                                                                                                                                                            | 112 KLD |
|    | b.                                                                                                          | Source of water                                                                                                                                                                                                   | Borewell after obtaining NoC from KGWA & Rainwater harvesting                                                                                                                      |         |

|    |                                          |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                      |
|----|------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | c.                                       | Wastewater generation in KLD                                                                                      | 90 KLD                                                                                                                                                                                                                                                                                                                               |
|    | d.                                       | STP capacity and Area required                                                                                    | 100 KLD                                                                                                                                                                                                                                                                                                                              |
|    | e.                                       | Technology employed for Treatment                                                                                 | Sequencing Batch Reactor (SBR)                                                                                                                                                                                                                                                                                                       |
|    | f.                                       | Scheme of disposal of excess treated water if any                                                                 | The sewage generated during the operation phase will be treated in Sewage Treatment Plant (STP) of capacity 100 KLD. The entire (95%) treated sewage from STP, 38 KLD will be recycled/ reused for toilet flushing, 7 KLD for Avenue plantation, 5 KLD for Dust suppression, and 36 KLD park and open space within the project site. |
| 16 | Infrastructure for Rain water harvesting |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                      |
|    | a.                                       | Capacity of sump/tank to store Roof & Hardscape/soft scape run off                                                | Provided roof rainwater sump capacity is 560 Cum                                                                                                                                                                                                                                                                                     |
|    | b.                                       | No's of Ground water recharge pits                                                                                | 53 Nos. of recharge pits are proposed to harvest paved area runoff of 1.2 m Dia& 1.8 m Depth.<br>65 Nos. of recharge pits are proposed to harvest runoff from landscape of 1.2 m Dia& 1.8 m Depth.                                                                                                                                   |
| 17 | Storm water management plan              |                                                                                                                   | Carrying capacity of internal drain = 1.39 m <sup>3</sup> /sec. So carrying capacity of internal garland drain is adequate i.e., greater than 0.31 m <sup>3</sup> /sec so design is safe                                                                                                                                             |
| 18 | WASTE MANAGEMENT                         |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                      |
|    | I.                                       | Construction Phase                                                                                                |                                                                                                                                                                                                                                                                                                                                      |
|    | a.                                       | Quantity of Construction & Demolition waster and its management                                                   | Demolition Waste:- NA<br>Construction Waste:916 MT<br>Sand Gravels of 367 MT, Brick with Masonry- 320 MT, Concrete- 184 MT has been utilized in the formation of Pavement/ walking path area and Landscape area. The metal and wood scrap of 45 MT utilized for the formation of landscape area.                                     |
|    | b.                                       | Quantity of Solid waste generation and mode of Disposal other than C&D.                                           | 6 Kg/day<br>Handed over to authorized vendors.                                                                                                                                                                                                                                                                                       |
|    | II.                                      | Operational Phase                                                                                                 |                                                                                                                                                                                                                                                                                                                                      |
|    | a.                                       | Quantity of Biodegradable waste generation and mode of Disposal as per norms<br>(Capacity of OWC & Area required) | Quantity: 234.4 kg/day<br>Mode of Disposal: Composting by using organic waste Converter (OWC) converted as manure & used for landscaping within the project site<br>Capacity of facility: 250 kg/day<br>Area required: 20 Sqm                                                                                                        |
|    | b.                                       | Quantity of Non- Biodegradable                                                                                    | Quantity: 153.8 kg/day                                                                                                                                                                                                                                                                                                               |

|    |                                            |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                            | waste generation and mode of Disposal as per norms                                                                 | Mode of Disposal: Hand over to Authorized Recyclers for further process<br>Area required: 8 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|    | c.                                         | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           | Quantity: 0.1KLPA<br>Mode of Disposal: Disposed as per the Hazardous & other waste (Management & Transboundary) movement rules 2016. Hand over to KSPCB Authorized Hazardous waste Recyclers for further process<br>Area required: 6 Sqm                                                                                                                                                                                                                                                                                                                                                |
|    | d.                                         | Quantity of E waste generation and mode of Disposal as per norms                                                   | Quantity: 0.05 MTPA<br>Mode of Disposal: Hand over to KSPCB Authorized e waste recycler for further process<br>Area required: 5 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 19 | <b>POWER</b>                               |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|    | a.                                         | Total Power Requirement - Operational Phase                                                                        | Transformer capacity 1500 KVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|    | b.                                         | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 500 KVA X 1No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|    | c.                                         | Details of Fuel used for DG Set                                                                                    | HSD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|    | d.                                         | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | Energy conservation using solar water heater, VFD for pump and STP, VFD for lifts, solar external lighting and LED lights<br>Savings of : 13.47 %                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 20 | <b>PARKING</b>                             |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|    | a.                                         | Parking Requirement as per norms (ECS)                                                                             | 160 ECS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    | b.                                         | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|    | c.                                         | Internal Road width (RoW)                                                                                          | 8 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 21 | <b>CER Activities</b>                      |                                                                                                                    | Carrying avenue plantation across the service road within the period of 18 months<br>Providing RO facility for safe Drinking water to the Government School Students of Sreeramanahalli which is located 0.75 Km(E) from the project site within 12 months<br>Providing Sanitation facility to the Government Primary School Sreeramanahalli which is located 0.75 Km(E) from the project site- within 18 months<br>Initiating Hepatitis B Vaccination to the Students of Government Primary School, Sreeramanahalli which is located 0.75 Km(E) from the project site within 12 months |
| 22 | <b>EMP (Details and capital cost &amp;</b> |                                                                                                                    | Construction phase: Galvanized iron barricade sheet all-round the site-5.94 lakhs, Purchase of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

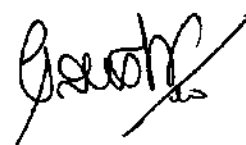
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|  | recurring cost) | <p>tanker water for Construction-5.12 lakhs, Plantations of saplings around the periphery and maintenance-0.86lakhs, Environmental Monitoring – Air, Water, Noise-4.53 lakhs, EMP Cell-7.20 lakhs, Waste water treatment during construction phase-12 lakhs, Waste Management -3.15 lakhs, <b>Total 38.81 Lakhs</b></p> <p>Operation phase :</p> <p>Capital investment</p> <p>Sewage Treatment Plant – 50 Lakhs, Rainwater harvesting facilities-12.50 Lakhs, Landscape development-9.00 Lakhs Acoustic &amp; Stacks for DG sets-5.50 Lakhs, Organic Waste Converter – 16.50 Lakhs, <b>Total 93.50 Lakhs</b></p> <p>Recurring cost</p> <p>STP Maintenance- 8lakhs, Landscape Maintenance- 4.50 lakhs, Organic waste Maintenance-2.50 lakhs, EMP Cell-3 lakhs, Environmental Monitoring-Air, Water, Noise 5 lakhs/ annum, <b>Total 23.00 Lakhs</b></p> |
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The proposal is for construction of a residential apartment project in an area earmarked for agriculture use as per BIAAPA, for which the Proponent informed the Committee that they have obtained conversion of land to residential use.

The Committee during appraisal sought details regarding source of water for the proposed project during operation, cart track as per village map and rainwater harvesting provisions proposed in the project. The Proponent informed the Committee that initially they had obtained NoC from Gramapanchayath. However subsequently they have obtained hydrology study report from CGWA accredited consultant for justifying the availability of 74 KLD ground water in for the proposed project area and informed the Committee that they will obtain NoC from KGWA for digging and extraction of ground water and have sufficient rainwater harvesting structures to utilize complete rainfall within the site area. Regarding cart track road, Proponent informed the Committee that it is the existing public road, which is also the approach road to the project area. For harvesting rainwater, Proponent informed that they have proposed a storage tank of 560 cum capacity for runoff from rooftop, hardscape and landscape areas in addition to 118 recharge pits within the site area.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 450 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following consideration,

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 560 Cum & 118 recharge pits.
5. To grow 450 trees in the early stage before taking up of construction.
6. To provide bellmouth entry and exit in the proposed project.
7. To source external water from KGWA approved water tankers.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.1.3 Mixed-Use Development of "Residential Apartment and Hotel Building" Project Plot No. R-16, Sy.No. 6-P, Hi-tech Defence & Aerospace Park (IT Sector) Singahalli Village, Jala Hobli, Bengaluru North Yelahanka Taluk, Bengaluru Urban District by M/s. Fairlark GRC Gokul Enterprises LLP – Online Proposal No.SIA/KA/INFRA2/482515/2024 (SEIAA 65 CON 2024)**

The Proponent had requested to attend the next upcoming meeting and remained absent and hence the Committee after discussion decided to defer the Project.

**Action:** Member Secretary, SEAC to put up before SEAC in upcoming meetings.

**314.1.4 Residential Apartment with club house project at Varthur Village, Varthur Hobli, Ward No.149, Bangalore East Taluk, Bangalore Urban District by M/s. YUVA INFINITY DEVELOPERS – Online Proposal No.SIA/KA/INFRA2/472016/2024 (SEIAA 69 CON 2024)**

**About the project:**

| Sl.No. | Particulars                                                        | Information Provided by Proponent                                                                                                                                                                                 |
|--------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent                            | M/s. YUVA INFINITY DEVELOPERS,<br>30, Resident of: No.92, Muninanjappa Garden,<br>Kodigehalli Main Road, K.R.Puram,<br>Bengaluru East Taluk, Bangalore- 560036.                                                   |
| 2      | Name & Location of the Project                                     | Residential Apartment and Club House Project at<br>Sy.Nos.12/9, 12/13, 12/14, 12/15, 12/3, 12/10 &<br>12/11 of Katha No.4044, Varthur Village,<br>Varthur Hobli, Ward No.149, Bangalore East<br>Taluk, Bangalore. |
| 3      | Type of Development                                                |                                                                                                                                                                                                                   |
| a.     | Residential Apartment / Villas / Row Houses/ Vertical Development/ | Residential Apartment with Club House<br>Category 8(a)                                                                                                                                                            |

|        | Office /IT/ ITES/ Mall/ Hotel/ Hospital /other                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
|--------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|----------|------|---|-----------------------|--------|-----|---|-----------------|--------|-----|---|----------------------------------------------------------------------------|-------|-----|---|--------------------------------------------|--------|-----|
| b.     | Residential Township/ Area Development Projects                                                             | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| c.     | Zoning Classification                                                                                       | As per CDP -2015 project site comes under Residential zone.The land has been converted for Residential purposes. DC conversion order has been                                                                                                                                                                                                                                                                                                                                |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| 4      | New/ Expansion/ Modification/ Renewal                                                                       | New<br>The proposed project site includes Phase 1 of (S. F+G+3UF) which is under Construction and CFE clearance is taken since, it is only 15,372.63 Sqm and 120 Units Consent Order No: CTE-334109 by KSPCB, Plan Sanction from BBMP is also obtained for 15,044.34 Sqm Ref no. BBMP/Ad.Com./MDP/0411/22-23. As per the CDP project site is designated as residential zone; and the land has been converted for Residential purposes.                                       |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| 5      | Water Bodies/ Nalas in the vicinity of project site                                                         | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| 6      | Plot Area (Sqm)                                                                                             | 17,249.58 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| 7      | Built Up area (Sqm)                                                                                         | 43,796.58 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| 8      | FAR <ul style="list-style-type: none"><li>• Permissible</li><li>• Proposed</li></ul>                        | 1.75<br>1.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| 9      | Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | Residential Apartments<br>Phase -01: S. F+G+3UF<br>Phase -02: B+G+3UF                                                                                                                                                                                                                                                                                                                                                                                                        |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| 10     | Number of units/plots in case of Construction/Residential Township /Area Development Projects               | 304 Nos. of units                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| 11     | Height Clearance                                                                                            | Height of the proposed project is within the CCZM of Bangalore                                                                                                                                                                                                                                                                                                                                                                                                               |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| 12     | Project Cost (Rs. In Crores)                                                                                | Rs. 80.0 Cr                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| 13     | Quantity excavated earth & its management                                                                   | <table><tr><th>Sl.No.</th><th>Description</th><th>Quantity</th><th>Unit</th></tr><tr><td>A</td><td>Earth Work Excavation</td><td>30,000</td><td>Cum</td></tr><tr><td>a</td><td>For Backfilling</td><td>12,000</td><td>Cum</td></tr><tr><td>b</td><td>Top soil requirement for landscape development on natural earth and podium</td><td>8,000</td><td>Cum</td></tr><tr><td>c</td><td>Earth used for formation of internal roads</td><td>10,000</td><td>Cum</td></tr></table> | Sl.No. | Description | Quantity | Unit | A | Earth Work Excavation | 30,000 | Cum | a | For Backfilling | 12,000 | Cum | b | Top soil requirement for landscape development on natural earth and podium | 8,000 | Cum | c | Earth used for formation of internal roads | 10,000 | Cum |
| Sl.No. | Description                                                                                                 | Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Unit   |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| A      | Earth Work Excavation                                                                                       | 30,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cum    |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| a      | For Backfilling                                                                                             | 12,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cum    |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| b      | Top soil requirement for landscape development on natural earth and podium                                  | 8,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cum    |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |
| c      | Earth used for formation of internal roads                                                                  | 10,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cum    |             |          |      |   |                       |        |     |   |                 |        |     |   |                                                                            |       |     |   |                                            |        |     |

|     |                                                                                 |                                                                                                                                                                                                               |          |
|-----|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 14  | Details of Land Use (Sqm)                                                       |                                                                                                                                                                                                               |          |
| a.  | Ground Coverage Area                                                            | 8,555.66 SQMT                                                                                                                                                                                                 |          |
| b.  | Kharab Land                                                                     | NA                                                                                                                                                                                                            |          |
| c.  | Total Green belt on Mother Earth                                                | 4,312.39 SQMT                                                                                                                                                                                                 |          |
| d.  | Internal Roads                                                                  | 4,381.39 SQMT                                                                                                                                                                                                 |          |
| e.  | Paved area                                                                      |                                                                                                                                                                                                               |          |
| f.  | Others Specify                                                                  | --                                                                                                                                                                                                            |          |
| g.  | Parks and Open space in case of Residential Township/ Area Development Projects | --                                                                                                                                                                                                            |          |
| h.  | Total                                                                           | 17,249.58 Sqmt                                                                                                                                                                                                |          |
| 15  | WATER                                                                           |                                                                                                                                                                                                               |          |
| I.  | Construction Phase                                                              |                                                                                                                                                                                                               |          |
| a.  | Source of water                                                                 | BWSSB treated water/our own STP treated water                                                                                                                                                                 |          |
| b.  | Quantity of water for Construction in KLD                                       | 25 KLD                                                                                                                                                                                                        |          |
| c.  | Quantity of water for Domestic Purpose in KLD                                   | 5 KLD                                                                                                                                                                                                         |          |
| d.  | Waste water generation in KLD                                                   | 4 KLD                                                                                                                                                                                                         |          |
| e.  | Treatment facility proposed and scheme of disposal of treated water             | Mobile Sewage Treatment Plant                                                                                                                                                                                 |          |
| II. | Operational Phase                                                               |                                                                                                                                                                                                               |          |
| a.  | Total Requirement of Water in KLD                                               | Fresh                                                                                                                                                                                                         | 140      |
|     |                                                                                 | Recycled                                                                                                                                                                                                      | 90       |
|     |                                                                                 | Total                                                                                                                                                                                                         | 230      |
| b.  | Source of water                                                                 | BWSSB                                                                                                                                                                                                         |          |
| c.  | Wastewater generation in KLD                                                    | 207                                                                                                                                                                                                           |          |
| d.  | STP capacity and Area required                                                  | STP capacity                                                                                                                                                                                                  | 210 KLD  |
|     |                                                                                 | Area required                                                                                                                                                                                                 | 210 Sqmt |
| e.  | Technology employed for Treatment                                               | SBR Technology                                                                                                                                                                                                |          |
| f.  | Scheme of disposal of excess treated water if any                               | Excess 82 KLD will be used for Floor washing and given to nearby Construction Project                                                                                                                         |          |
| 16  | Infrastructure for Rain water harvesting                                        |                                                                                                                                                                                                               |          |
| a.  | Capacity of sump/tank to store Roof & Hardscape/soft scape run off              | 180 cum & 290 cum of collection sump is provided<br>Area required for Rain water tank is 470 Sqmt                                                                                                             |          |
| b.  | No's of Ground water recharge pits                                              | 10 Nos.                                                                                                                                                                                                       |          |
| 17  | Storm water management plan                                                     | We have provided 180 cum & 290 cum of roof water collection sump. The quantity of storm water produced within the site will be directed to recharge pits of 10 Nos. provided around the periphery of the site |          |
| 18  | WASTE MANAGEMENT                                                                |                                                                                                                                                                                                               |          |
| I.  | Construction Phase                                                              |                                                                                                                                                                                                               |          |
| a.  | Quantity of Construction &                                                      | Demolition Waste, Construction Waste                                                                                                                                                                          |          |

|     |                                                                                                                    |                                                                                                                                                                               |                                                                  |
|-----|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|     | Demolition waster and its management                                                                               | As of now, approximately around 1000 cum of C & D waste is generated; it is stored in the project site and we will use it for internal road formation within the project site |                                                                  |
| b.  | Quantity of Solid waste generation and mode of Disposal other than C&D.                                            | Quantity of solid waste generation during construction other than C&D.-0.5kg/day<br>Mode of Disposal: Given to BBMP authorities                                               |                                                                  |
| II. | Operational Phase                                                                                                  |                                                                                                                                                                               |                                                                  |
| a.  | Quantity of Biodegradable waste generation and mode of Disposal as per norms<br>(Capacity of OWC & Area required)  | Quantity                                                                                                                                                                      | 410 kg/day                                                       |
|     |                                                                                                                    | Mode of Disposal                                                                                                                                                              | Biodegradable waste will be processed in organic waste converter |
|     |                                                                                                                    | Capacity of facility                                                                                                                                                          | 410 kg/day of capacity                                           |
|     |                                                                                                                    | Area required                                                                                                                                                                 | 20 Sqmt                                                          |
| b.  | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                  | Quantity                                                                                                                                                                      | 274 kg/day                                                       |
|     |                                                                                                                    | Mode of Disposal                                                                                                                                                              | Non- Biodegradable waste will be given to authorized vendors     |
|     |                                                                                                                    | Area required                                                                                                                                                                 | 10 Sqmt                                                          |
| c.  | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           | Quantity                                                                                                                                                                      | 50-80 lts                                                        |
|     |                                                                                                                    | Mode of Disposal                                                                                                                                                              | Will be given to PCB authorized recycler                         |
|     |                                                                                                                    | Area required                                                                                                                                                                 | 5 Sqmt                                                           |
| d.  | Quantity of E waste generation and mode of Disposal as per norms                                                   | Quantity                                                                                                                                                                      | 150 kg/year                                                      |
|     |                                                                                                                    | Mode of Disposal                                                                                                                                                              | Will be given to PCB authorized recycler                         |
|     |                                                                                                                    | Area required                                                                                                                                                                 | 15 Sqmt                                                          |
| 19  | POWER                                                                                                              |                                                                                                                                                                               |                                                                  |
| a.  | Total Power Requirement - Operational Phase                                                                        | 1216 KW                                                                                                                                                                       |                                                                  |
| b.  | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 250 KVA X 2 Nos.                                                                                                                                                              |                                                                  |
| c.  | Details of Fuel used for DG Set                                                                                    | Low Sulphuric diesel                                                                                                                                                          |                                                                  |
| d.  | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | 23.75%                                                                                                                                                                        |                                                                  |
| 20  | PARKING                                                                                                            |                                                                                                                                                                               |                                                                  |
| a.  | Parking Requirement as per norms (ECS)                                                                             | 339 ECS                                                                                                                                                                       |                                                                  |
| b.  | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report on SH-35is B                                                                                   |                                                                  |
| c.  | Internal Road width (RoW)                                                                                          | 8.0                                                                                                                                                                           |                                                                  |
| 21  | CER Activities                                                                                                     | Infrastructure development of nearby government school & hospital                                                                                                             |                                                                  |
| 22  | EMP (Details and capital cost & recurring cost)                                                                    | Construction phase                                                                                                                                                            | Rs. 97.0 lakhs                                                   |
|     |                                                                                                                    | Operation phase                                                                                                                                                               | Rs. 1070.0 lakhs                                                 |

The proposal is for expansion of residential apartment project. Proponent informed that the proposal is for expansion in BUA from 15,044.34 Sqm to 43,796.58 Sqm in plot area of 6,428.04 Sqm to 14,249.58 Sqm. For the existing construction they had obtained plan approval from BBMP on 05.11.2022 and CFE from KSPCB on 29.10.2022 and as per architect certificate dated 03.06.2024, presently BUA of 11,374 Sqm has been constructed. Further, the Proponent informed the Committee that they are using ready mix concrete in the construction, which generates less waste compared to bricks and the construction waste is handled as per C & D Rules 2016 and presently about 1,000 Cum of construction waste has been stored in site for formation of internal paved roads.

The Committee during appraisal sought details regarding water body, drain as per village map, sensitive zone as per RMP of BDA and provisions made for rainwater harvesting in the project. The Proponent informed the Committee that the water body in western side is at a distance of 43 mtrs to the site boundary and is away from the buffer zone and the tertiary drain in eastern side is out side the buffer limits of 15 mtrs to the project boundary and the drain in western side as seen in google earth is a man made drain during 2020 for desilting of varthur lake which attracts no buffer. For sensitive zone they have obtained sensitive zone clearance from BDA on 16.10.2023. For harvesting rainwater, Proponent informed that they have proposed storage tank of 180 cum for runoff from rooftop and another tank of 270 cum for runoff from hardscape and landscape areas in addition to 10 recharge pits within the site area.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 220 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the wastewater to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 180 cum & 270 cum and 10 recharge pits.
5. To grow 220 trees in the early stage before taking up of construction.
6. To provide bellmouth entry and exit in the proposed project.
7. To source external water from KGWA approved water tankers.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.5 Residential Apartment Building project at BBMP Khatha No.5, Bagalakunte Village, Ward No. 14, Yeshwanthapura Hobli, Bangalore North Taluk, Bangalore Urban District by M/s. 5 Elements Homes – Online Proposal No.SIA/KA/INFRA2/478305/2024 (SEIAA 68 CON 2024)**

**About the project:**

| Sl.No. | Particulars                                                                                                         | Information Provided by Proponent                                                                                                                                                                                  |
|--------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent                                                                             | Sri Kashinath. B. M/s. 5 ELEMENTS HOMES Unit No. 101, First Floor, Brigade Corner, No. 73/1-1, S. Kariyappa Road, Yediyur Circle, 7 <sup>th</sup> Block, Jayanagar, Bangalore – 560 082.                           |
| 2      | Name & Location of the Project                                                                                      | Residential Apartment Building at BBMP Khatha No.5, Sy.Nos. 90/1, 90/2, 90/3 & 90/4, Bagalakunte Village, Ward No. 14, Yeshwanthapura Hobli, Bangalore North Taluk, Bangalore Urban District, Bangalore – 560 073. |
| 3      | Type of Development                                                                                                 |                                                                                                                                                                                                                    |
| a.     | Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ITES/ Mall/ Hotel/ Hospital /other | Residential Apartment Building Category 8(a)                                                                                                                                                                       |
| b.     | Residential Township/ Area Development Projects                                                                     | Residential Township                                                                                                                                                                                               |
| c.     | Zoning Classification                                                                                               | Residential                                                                                                                                                                                                        |
| 4      | New/ Expansion/ Modification/ Renewal                                                                               | New                                                                                                                                                                                                                |
| 5      | Water Bodies/ Nalas in the vicinity of project site                                                                 | Bahalagunte Lake – 0.67 (NE)<br>Lake buffer 30 m provided                                                                                                                                                          |
| 6      | Plot Area (Sqm)                                                                                                     | 19,626.81 Sq. m                                                                                                                                                                                                    |
| 7      | Built Up area (Sqm)                                                                                                 | 65,534.19 Sq. m                                                                                                                                                                                                    |
| 8      | FAR <ul style="list-style-type: none"> <li>• Permissible</li> <li>• Proposed</li> </ul>                             | FAR <ul style="list-style-type: none"> <li>• 2.25</li> <li>• 2.249</li> </ul>                                                                                                                                      |
| 9      | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]        | 2 Blocks with Basement Floor + Ground Floor + 4 Upper Floors + Terrace Floor                                                                                                                                       |
| 10     | Number of units/plots in case of Construction/Residential Township /Area Development Projects                       | 365 Flats & a Club House                                                                                                                                                                                           |
| 11     | Height Clearance                                                                                                    | <ul style="list-style-type: none"> <li>• Permissible: 15.00 m</li> <li>• Proposed: 14.99 m</li> </ul>                                                                                                              |
| 12     | Project Cost (Rs. In Crores)                                                                                        | 149 Crores                                                                                                                                                                                                         |
| 13     | Quantity excavated earth&its management                                                                             | 32,634 m <sup>3</sup> of earth is excavated. Soil excavated for laying the foundation is reused for filling and landscaping.                                                                                       |
| 14     | Details of Land Use (Sqm)                                                                                           |                                                                                                                                                                                                                    |
| a.     | Ground Coverage Area                                                                                                | Ground Coverage Area<br>Permissible: 9,813.41<br>Achieved: 9,786.86                                                                                                                                                |
| b.     | Kharab Land                                                                                                         | None                                                                                                                                                                                                               |

|                                      |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
|--------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--|--|-------|----------|--|----------|--------|--|------|--------|--|--------|-------|--|---------|-------|--|-------|--------|--|-------|---------|--|--------------------------------------|--|--|----------------------------|-------------------|------------|
| c.                                   | Total Green Belt on Mother Earth                                                | 3,925 sq m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| d.                                   | Internal Roads                                                                  | 5,914.995 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| e.                                   | Paved area                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| f.                                   | Others Specify                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| g.                                   | Parks and Open space in case of Residential Township/ Area Development Projects | 9,786.86 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| h.                                   | Total                                                                           | 19,626.81 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| 15                                   | WATER                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| I.                                   | Construction Phase                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| a.                                   | Source of water                                                                 | Construction purpose: Tanker/Treated water from STP Domestic purpose: BWSSB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| b.                                   | Quantity of water for Construction in KLD                                       | 30 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| c.                                   | Quantity of water for Domestic Purpose in KLD                                   | 4.5 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| d.                                   | Waste water generation in KLD                                                   | 3.6 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| e.                                   | Treatment facility proposed and scheme of disposal of treated water             | Modular STP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| II.                                  | Operational Phase                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| a.                                   | Total Requirement of Water in KLD                                               | 271 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| b.                                   | Source of water                                                                 | BWSSB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| c.                                   | Wastewater generation in KLD                                                    | 217 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| d.                                   | STP capacity and Area required                                                  | 230 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| e.                                   | Technology employed for Treatment                                               | SBR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| f.                                   | Scheme of disposal of excess treated water if any                               | Used for Flushing, Gardening and Driveway and pathway maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| 16                                   | Infrastructure for Rain water harvesting                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| a.                                   | Capacity of sump/tank to store Roof & Hardscape/soft scape run off              | 25 KLD × 2No's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| b.                                   | No's of Ground water recharge pits                                              | 5 No's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| 17                                   | Storm water management plan                                                     | 25 KLD storage tank is provided to store rainwater. Water stored in a storage tank will be used for fire fighting and domestic purposes after treatment.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| 18                                   | WASTE MANAGEMENT                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| I.                                   | Construction Phase                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| a.                                   | Quantity of Construction & Demolition waster and its management                 | <table><tr><td colspan="3">Demolition Waste:135.487 Tonnes</td></tr><tr><td>Waste</td><td colspan="2">Quantity</td></tr><tr><td>Concrete</td><td colspan="2">33.872</td></tr><tr><td>Wood</td><td colspan="2">59.614</td></tr><tr><td>Metals</td><td colspan="2">4.065</td></tr><tr><td>Drywell</td><td colspan="2">2.710</td></tr><tr><td>Other</td><td colspan="2">35.227</td></tr><tr><td>Total</td><td colspan="2">135.487</td></tr><tr><td colspan="3">Construction Waste: 23,595.11 Tonnes</td></tr><tr><td>Composition of C &amp; D Waste</td><td>Quantity of waste</td><td>Management</td></tr></table> | Demolition Waste:135.487 Tonnes |  |  | Waste | Quantity |  | Concrete | 33.872 |  | Wood | 59.614 |  | Metals | 4.065 |  | Drywell | 2.710 |  | Other | 35.227 |  | Total | 135.487 |  | Construction Waste: 23,595.11 Tonnes |  |  | Composition of C & D Waste | Quantity of waste | Management |
| Demolition Waste:135.487 Tonnes      |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| Waste                                | Quantity                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| Concrete                             | 33.872                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| Wood                                 | 59.614                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| Metals                               | 4.065                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| Drywell                              | 2.710                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| Other                                | 35.227                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| Total                                | 135.487                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| Construction Waste: 23,595.11 Tonnes |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |
| Composition of C & D Waste           | Quantity of waste                                                               | Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |  |  |       |          |  |          |        |  |      |        |  |        |       |  |         |       |  |       |        |  |       |         |  |                                      |  |  |                            |                   |            |

|     |                                                                                                                    |                                                                                                                                                                                                  |           |                                                                                                                           |
|-----|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------|
|     |                                                                                                                    | Soil, sand & gravel                                                                                                                                                                              | 6796.62   | Used as filling material on roads                                                                                         |
|     |                                                                                                                    | Bricks & Masonry                                                                                                                                                                                 | 11719.46  | Segregated and stored separately on-site and disposed to authorised vendors as per Construction and Demolition Waste 2016 |
|     |                                                                                                                    | Concrete                                                                                                                                                                                         | 796.92    |                                                                                                                           |
|     |                                                                                                                    | Metals                                                                                                                                                                                           | 2929.86   |                                                                                                                           |
|     |                                                                                                                    | Bitumen                                                                                                                                                                                          | 70        |                                                                                                                           |
|     |                                                                                                                    | Wood                                                                                                                                                                                             | 100       |                                                                                                                           |
|     |                                                                                                                    | Others                                                                                                                                                                                           | 385.39    |                                                                                                                           |
|     |                                                                                                                    | Total                                                                                                                                                                                            | 23,595.17 |                                                                                                                           |
| b.  | Quantity of Solid waste generation and mode of Disposal other than C&D.                                            | None                                                                                                                                                                                             |           |                                                                                                                           |
| II. | Operational Phase                                                                                                  |                                                                                                                                                                                                  |           |                                                                                                                           |
| a.  | Quantity of Biodegradable waste generation and mode of Disposal as per norms(Capacity of OWC & Area required)      | Quantity: 600 Kg/day<br>Mode of Disposal:OrganicwasteConverter<br>Capacity of facility: 250 Kg/day<br>Area required: 50 Sqm                                                                      |           |                                                                                                                           |
| b.  | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                  | Quantity: 400 Kg/day<br>Mode of Disposal:Disposed to authorized vendors<br>Area required: 20 Sqm                                                                                                 |           |                                                                                                                           |
| c.  | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           | Quantity:1.38 KL per annum of used oil and no.2 of filters Mode of Disposal: KSPCB authorized recycler<br>Area required:15 Sqm                                                                   |           |                                                                                                                           |
| d.  | Quantity of E waste generation and mode of Disposal as per norms                                                   | Quantity: NA<br>Mode of Disposal:<br>Area required:                                                                                                                                              |           |                                                                                                                           |
| 19  | POWER                                                                                                              |                                                                                                                                                                                                  |           |                                                                                                                           |
| a.  | Total Power Requirement - Operational Phase                                                                        | 2000 KVA                                                                                                                                                                                         |           |                                                                                                                           |
| b.  | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 500 KVA x3 no.                                                                                                                                                                                   |           |                                                                                                                           |
| c.  | Details of Fuel used for DG Set                                                                                    | Diesel                                                                                                                                                                                           |           |                                                                                                                           |
| d.  | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | Percentage of savings: 18.01 % Energy conservation will be achieved by Power Saving In the Solar System, Solar Hot Water, Power Saving In Water Pumping, and Power Saving In the Common Facility |           |                                                                                                                           |
| 20  | PARKING                                                                                                            |                                                                                                                                                                                                  |           |                                                                                                                           |
| a.  | Parking Requirement as per norms (ECS)                                                                             | 151 ECS                                                                                                                                                                                          |           |                                                                                                                           |
| b.  | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | A                                                                                                                                                                                                |           |                                                                                                                           |
| c.  | Internal Road width (RoW)                                                                                          | Proposed 18 m wide CDP road                                                                                                                                                                      |           |                                                                                                                           |

| 21     | CER Activities                                                      | Construction of Rainwater recharge pond in Buffer area, Road repair in the nearby village, Planting of trees in nearby School, Installation of solar panels in schools in next 3 years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
|--------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|------------------------------------|--|--------------|----------------|---|----------------------------------------|-----|---|---|--------------------------------------------|---|---|---|------------------------------------------------|-----|---|---|-----------------|----|-----|---|-------------|----|---|---|------------------------|----|-----|---|--------------|----|---|---|---------------------------------------------------------------------|---|---|-------|--|-----|----|------|-----------|-------------|-------------------------|-------------------------|----|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|----|-------------------------|-------------|---------|---------|----|-----------------------|----------------------------------------------|---------|-----------|----|-----------------|----------------------------------|---------|------------|----|---------------------|-------------------------------------------------------|---------|---------|----|--------------------------|------------------------------------------------------|---------|------------|----|------------------|-----------------------------------------------|-----------|-----------|-------|--|--|----------|---------|
| 22     | EMP (Details and capital cost & recurring cost)                     | <p>• Construction phase:</p> <table><tr><th rowspan="2">SL No.</th><th rowspan="2">Description</th><th colspan="2">Financial provisions (Rs in Lakhs)</th></tr><tr><th>Capital Cost</th><th>Recurring cost</th></tr><tr><td>1</td><td>Construction of Sewage Treatment Plant</td><td>100</td><td>-</td></tr><tr><td>2</td><td>Operation of Sewage Treatment Plant /annum</td><td>-</td><td>2</td></tr><tr><td>3</td><td>Rain Water Harvesting Tanks &amp; their facilities</td><td>110</td><td>2</td></tr><tr><td>4</td><td>DG Sets (Stack)</td><td>90</td><td>0.5</td></tr><tr><td>5</td><td>Landscaping</td><td>75</td><td>2</td></tr><tr><td>6</td><td>Solid Waste Management</td><td>45</td><td>2.5</td></tr><tr><td>7</td><td>Firefighting</td><td>90</td><td>2</td></tr><tr><td>8</td><td>Environment Monitoring Plan (Air, Noise, Water, Soil &amp; Solid waste)</td><td>-</td><td>1</td></tr><tr><td colspan="2">Total</td><td>510</td><td>10</td></tr></table> <p>• Operation phase</p> <table><tr><th>S.No</th><th>Component</th><th>Particulars</th><th>Estimated Cost in lakhs</th><th>Recurring Cost in Lakhs</th></tr><tr><td>1.</td><td>Occupational Health-Personal Protective Equipment.</td><td>Safety Helmet, Safety Shoes, Reflective Vest, Dust mask, Ear plug, Ear Muff, Safety Goggles, Hand gloves, Full Body harness, Toilets, first aid room, RO water etc.,</td><td>4 lakhs</td><td>2.5 lakhs</td></tr><tr><td>2.</td><td>Water Pollution control</td><td>Modular STP</td><td>3 lakhs</td><td>1 lakhs</td></tr><tr><td>3.</td><td>Air Pollution Control</td><td>DG sets -stack, barricades, water sprinkling</td><td>2 lakhs</td><td>1.5 lakhs</td></tr><tr><td>4.</td><td>Noise Pollution</td><td>Acoustic Enclosure for D.G. sets</td><td>1 lakhs</td><td>0.50 lakhs</td></tr><tr><td>5.</td><td>Energy conservation</td><td>Installation of solar street lights, LED lights etc.,</td><td>2 lakhs</td><td>1 lakhs</td></tr><tr><td>6.</td><td>Environmental Monitoring</td><td>Ambient Air, Noise, Soil, Treated &amp; untreated water.</td><td>2 lakhs</td><td>0.50 lakhs</td></tr><tr><td>7.</td><td>Waste Management</td><td>Disposal of Spent oil to authorized recycler.</td><td>1.0 lakhs</td><td>1.0 lakhs</td></tr><tr><td colspan="3">Total</td><td>15 Lakhs</td><td>8 Lakhs</td></tr></table> | SL No.                  | Description             | Financial provisions (Rs in Lakhs) |  | Capital Cost | Recurring cost | 1 | Construction of Sewage Treatment Plant | 100 | - | 2 | Operation of Sewage Treatment Plant /annum | - | 2 | 3 | Rain Water Harvesting Tanks & their facilities | 110 | 2 | 4 | DG Sets (Stack) | 90 | 0.5 | 5 | Landscaping | 75 | 2 | 6 | Solid Waste Management | 45 | 2.5 | 7 | Firefighting | 90 | 2 | 8 | Environment Monitoring Plan (Air, Noise, Water, Soil & Solid waste) | - | 1 | Total |  | 510 | 10 | S.No | Component | Particulars | Estimated Cost in lakhs | Recurring Cost in Lakhs | 1. | Occupational Health-Personal Protective Equipment. | Safety Helmet, Safety Shoes, Reflective Vest, Dust mask, Ear plug, Ear Muff, Safety Goggles, Hand gloves, Full Body harness, Toilets, first aid room, RO water etc., | 4 lakhs | 2.5 lakhs | 2. | Water Pollution control | Modular STP | 3 lakhs | 1 lakhs | 3. | Air Pollution Control | DG sets -stack, barricades, water sprinkling | 2 lakhs | 1.5 lakhs | 4. | Noise Pollution | Acoustic Enclosure for D.G. sets | 1 lakhs | 0.50 lakhs | 5. | Energy conservation | Installation of solar street lights, LED lights etc., | 2 lakhs | 1 lakhs | 6. | Environmental Monitoring | Ambient Air, Noise, Soil, Treated & untreated water. | 2 lakhs | 0.50 lakhs | 7. | Waste Management | Disposal of Spent oil to authorized recycler. | 1.0 lakhs | 1.0 lakhs | Total |  |  | 15 Lakhs | 8 Lakhs |
| SL No. | Description                                                         | Financial provisions (Rs in Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
|        |                                                                     | Capital Cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Recurring cost          |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 1      | Construction of Sewage Treatment Plant                              | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                       |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 2      | Operation of Sewage Treatment Plant /annum                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                       |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 3      | Rain Water Harvesting Tanks & their facilities                      | 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                       |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 4      | DG Sets (Stack)                                                     | 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.5                     |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 5      | Landscaping                                                         | 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                       |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 6      | Solid Waste Management                                              | 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.5                     |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 7      | Firefighting                                                        | 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                       |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 8      | Environment Monitoring Plan (Air, Noise, Water, Soil & Solid waste) | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                       |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| Total  |                                                                     | 510                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10                      |                         |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| S.No   | Component                                                           | Particulars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Estimated Cost in lakhs | Recurring Cost in Lakhs |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 1.     | Occupational Health-Personal Protective Equipment.                  | Safety Helmet, Safety Shoes, Reflective Vest, Dust mask, Ear plug, Ear Muff, Safety Goggles, Hand gloves, Full Body harness, Toilets, first aid room, RO water etc.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4 lakhs                 | 2.5 lakhs               |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 2.     | Water Pollution control                                             | Modular STP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 lakhs                 | 1 lakhs                 |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 3.     | Air Pollution Control                                               | DG sets -stack, barricades, water sprinkling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2 lakhs                 | 1.5 lakhs               |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 4.     | Noise Pollution                                                     | Acoustic Enclosure for D.G. sets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 lakhs                 | 0.50 lakhs              |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 5.     | Energy conservation                                                 | Installation of solar street lights, LED lights etc.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2 lakhs                 | 1 lakhs                 |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 6.     | Environmental Monitoring                                            | Ambient Air, Noise, Soil, Treated & untreated water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 lakhs                 | 0.50 lakhs              |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| 7.     | Waste Management                                                    | Disposal of Spent oil to authorized recycler.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.0 lakhs               | 1.0 lakhs               |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |
| Total  |                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15 Lakhs                | 8 Lakhs                 |                                    |  |              |                |   |                                        |     |   |   |                                            |   |   |   |                                                |     |   |   |                 |    |     |   |             |    |   |   |                        |    |     |   |              |    |   |   |                                                                     |   |   |       |  |     |    |      |           |             |                         |                         |    |                                                    |                                                                                                                                                                      |         |           |    |                         |             |         |         |    |                       |                                              |         |           |    |                 |                                  |         |            |    |                     |                                                       |         |         |    |                          |                                                      |         |            |    |                  |                                               |           |           |       |  |  |          |         |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that there is an old shed and waste of 135.48 ton to be used within the site area. The Committee noted the clarification.

The proposal is for construction of a residential apartment project in an area earmarked for residential use as per RMP of Bangalore Development Authority.

The Committee during appraisal sought details regarding rain water harvesting proposed in the project. The Proponent informed the Committee that for harvesting rain water, they have proposed storage tank of capacities 2x25 cum for runoff from rooftop and 5 recharge pits within the site area for runoff from hardscape and landscape areas.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 250 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

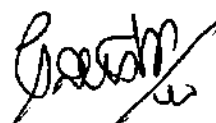
- 1.To provide tertiary treatment to the wastewater to bring it to potable standards.
- 2.To utilize minimum of 50% of roof area for solar power generation.
- 3.To provide minimum 10% of total parking with e-vehicle charging facility.
- 4.To provide recharge tank of capacity 2x50 cum and 5 recharge pits.
- 5.To grow 250 trees in the early stage before taking up of construction.
- 6.To source external water from KGWA approved water tankers.
- 7.To provide bellmouth entry and exit in the proposed project.
- 8.To carry out community recharge of bore wells in the vicinity of the site.
- 9.To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve of water.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.6 Expansion & Modification of Residential Apartment project at Chikkavaderapura Village, Sarjapura Hobli, Anekal Taluk, Bangalore Urban District by M/s. Nexplace Infrastructure – Online Proposal No.SIA/KA/INFRA2/472818/2024 (SEIAA 67 CON 2024)**

**About the project:**

| Sl.No. | Particulars                             | Information Provided by Proponent                                                                                                                             |
|--------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent | M/s. Nexplace Infrastructure<br>No. 393, 1 <sup>st</sup> Floor, 15 <sup>th</sup> Cross, 5 <sup>th</sup> Main Road,<br>Sector-6, HSR Layout, Bangalore- 560102 |



|    |                                                                                                         |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                          |                          |          |      |
|----|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|------|
| 2  | Name & Location of the Project                                                                          |                                                                                                                | Modification in Residential Apartment From 450 Nos. To 399 Nos. by Sy.Nos.24/2, 24/6, 24/8 & 24/11 of Chikkavaderapura village, Sarjapura Hobli, Anekal Taluk, Bangalore                                                                                                                                                                                 |                          |          |      |
| 3  | Type of Development                                                                                     |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                          |                          |          |      |
|    | a.                                                                                                      | Residential Apartment/ Villas /Row Houses/ Vertical Development/Office/ IT/ ITES/ Mall/ Hotel/ Hospital /other | Residential Apartment with Club House Category 8(a)                                                                                                                                                                                                                                                                                                      |                          |          |      |
|    | b.                                                                                                      | Residential Township/ Area Development Projects                                                                | NA                                                                                                                                                                                                                                                                                                                                                       |                          |          |      |
|    | c.                                                                                                      | Zoning Classification                                                                                          | As per CDP - 2015 project site comes under Agriculture zone. The land has been converted for Residential purposes.                                                                                                                                                                                                                                       |                          |          |      |
| 4  | New/ Expansion/ Modification/ Renewal                                                                   |                                                                                                                | Expansion & Modification of Residential Apartment project<br>Earlier we have obtained Environmental clearance for BUA of 89,803.40 Sqm of application No. SELAA 44 CON 2023 dated: 23/03/2023<br>BUA of expansion & modification is from 89,803.40 Sqm to 81,372.63 Sqmt and number of units from 450 Nos. to 399 Nos.<br>2B+G+24UF+ TF to 2B+G+26UF+ TF |                          |          |      |
| 5  | Water Bodies/ Nalas in the vicinity of project site                                                     |                                                                                                                | As per Village map 30m buffer has been provided for the Kunte which is adjacent to the project site on the eastern side.                                                                                                                                                                                                                                 |                          |          |      |
| 6  | Plot Area (Sqm)                                                                                         |                                                                                                                | The plot - 19,601.60 Sqmt,<br>Road widening area - 1646.97 Sqmt.<br>Net site area - 17,954.63 Sqmt                                                                                                                                                                                                                                                       |                          |          |      |
| 7  | Built Up area (Sqm)                                                                                     |                                                                                                                | 81,372.63 Sqmt                                                                                                                                                                                                                                                                                                                                           |                          |          |      |
| 8  | FAR <ul style="list-style-type: none"><li>• Permissible</li><li>• Proposed</li></ul>                    |                                                                                                                | 3.00<br>2.99                                                                                                                                                                                                                                                                                                                                             |                          |          |      |
| 9  | Building Configuration [Number of Blocks/Towers/Wings etc., with Numbers of Basements and Upper Floors] |                                                                                                                | Residential building – WING A, B & C: 2B+G+26UF                                                                                                                                                                                                                                                                                                          |                          |          |      |
| 10 | Number of units/plots in case of Construction /Residential Township/ Area Development Projects          |                                                                                                                | 399 Nos. of units                                                                                                                                                                                                                                                                                                                                        |                          |          |      |
| 11 | Height Clearance                                                                                        |                                                                                                                | Height of the proposed project is within the CCZM of Bangalore                                                                                                                                                                                                                                                                                           |                          |          |      |
| 12 | Project Cost (Rs. In Crores)                                                                            |                                                                                                                | Rs. 100.0 Cr                                                                                                                                                                                                                                                                                                                                             |                          |          |      |
| 13 | Quantity excavated earth & its management                                                               |                                                                                                                | Sl.No.                                                                                                                                                                                                                                                                                                                                                   | Description              | Quantity | Unit |
|    |                                                                                                         |                                                                                                                | A                                                                                                                                                                                                                                                                                                                                                        | Earth Work<br>Excavation | 80,000   | Cum  |

|     |                                                                                 |                                                                                                 |                                                                            |        |     |
|-----|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------|-----|
|     |                                                                                 | a                                                                                               | For Backfilling                                                            | 25,000 | Cum |
|     |                                                                                 | b                                                                                               | Top soil requirement for landscape development on natural earth and podium | 20,000 | Cum |
|     |                                                                                 | c                                                                                               | Earth used for formation of internal roads                                 | 35,000 | Cum |
| 14  | Details of Land Use (Sqm)                                                       |                                                                                                 |                                                                            |        |     |
| a.  | Ground Coverage Area                                                            | 3,153.03 Sqm (17.56%)                                                                           |                                                                            |        |     |
| b.  | Kharab Land                                                                     | NA                                                                                              |                                                                            |        |     |
| c.  | Total Green belt on Mother Earth                                                | 10,666.42 Sqm (58.18%)<br>(on ground – 5,266.42 Sqmt, 28.72%+ on podium – 5,400.0 Sqmt, 29.45%) |                                                                            |        |     |
| d.  | Internal Roads                                                                  | 4,135.18 Sqmt (23.039%)                                                                         |                                                                            |        |     |
| e.  | Paved area                                                                      |                                                                                                 |                                                                            |        |     |
| f.  | Others Specify                                                                  | Road widening area is 1646.97 Sqmt                                                              |                                                                            |        |     |
| g.  | Parks and Open space in case of Residential Township/ Area Development Projects | --                                                                                              |                                                                            |        |     |
| h.  | Total                                                                           | 19,601.60 Sqmt                                                                                  |                                                                            |        |     |
| 15  | WATER                                                                           |                                                                                                 |                                                                            |        |     |
| I.  | Construction Phase                                                              |                                                                                                 |                                                                            |        |     |
| a.  | Source of water                                                                 | BWSSB treated water/our own STP treated water                                                   |                                                                            |        |     |
| b.  | Quantity of water for Construction in KLD                                       | 25 KLD                                                                                          |                                                                            |        |     |
| c.  | Quantity of water for Domestic Purpose in KLD                                   | 5 KLD                                                                                           |                                                                            |        |     |
| d.  | Waste water generation in KLD                                                   | 4 KLD                                                                                           |                                                                            |        |     |
| e.  | Treatment facility proposed and scheme of disposal of treated water             | Mobile Sewage Treatment Plant                                                                   |                                                                            |        |     |
| II. | Operational Phase                                                               |                                                                                                 |                                                                            |        |     |
| a.  | Total Requirement of Water in KLD                                               | Fresh                                                                                           | 180                                                                        |        |     |
|     |                                                                                 | Recycled                                                                                        | 90                                                                         |        |     |
|     |                                                                                 | Total                                                                                           | 270                                                                        |        |     |
| b.  | Source of water                                                                 | BWSSB                                                                                           |                                                                            |        |     |
| c.  | Wastewater generation in KLD                                                    | 243                                                                                             |                                                                            |        |     |
| d.  | STP capacity and Area required                                                  | STP capacity                                                                                    | 250KLD                                                                     |        |     |
|     |                                                                                 | Area required                                                                                   | 250 Sqmt                                                                   |        |     |
| e.  | Technology employed for Treatment                                               | SBR Technology                                                                                  |                                                                            |        |     |
| f.  | Scheme of disposal of excess treated water if any                               | Excess84 KLD will be used for Floor washing and given to nearby Construction Project            |                                                                            |        |     |

|                      |                                                                  |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
|----------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|------------------|------------------------------------------------------------------|----------------------|------------------------|---------------|---------|
| 16                   | Infrastructure for Rain water harvesting                         |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
|                      | a.                                                               | Capacity of sump/tank to store Roof & Hardscape/soft scape run off                                                | 150m3 of collection sump is provided<br>Area required for Rain water tank is 150Sqmt                                                                                                                                                                                                                                                                                                                                                         |          |             |                  |                                                                  |                      |                        |               |         |
|                      | b.                                                               | No's of Ground water recharge pits                                                                                | 10 Nos.                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |             |                  |                                                                  |                      |                        |               |         |
| 17                   | Storm water management plan                                      |                                                                                                                   | We have provided 150m3 of roof water collection sump. The quantity of storm water produced within the site will be directed to recharge pits of 10 Nos. provided around the periphery of the site.                                                                                                                                                                                                                                           |          |             |                  |                                                                  |                      |                        |               |         |
| 18                   | WASTE MANAGEMENT                                                 |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
|                      | I.                                                               | Construction Phase                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
|                      | a.                                                               | Quantity of Construction & Demolition waster and its management                                                   | Demolition Waste, Construction Waste<br>We are not using any solid bricks in construction of Residential apartment; In the site temporary shed are there, we will dismantle the sheds, roof sheets, windows and doors; and we will use them for our security rooms.<br>The demolition waste of the quantity around 2 to 3 tons we be used in our property only for internal road formation. We will not dispose any demolition waste outside |          |             |                  |                                                                  |                      |                        |               |         |
|                      | b.                                                               | Quantity of Solid waste generation and mode of Disposal other than C&D.                                           | Quantity of solid waste generation during construction other than C & D. -0.5 kg/day<br>Mode of Disposal: Given to BBMP authorities                                                                                                                                                                                                                                                                                                          |          |             |                  |                                                                  |                      |                        |               |         |
|                      | II.                                                              | Operational Phase                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
|                      | a.                                                               | Quantity of Biodegradable waste generation and mode of Disposal as per norms<br>(Capacity of OWC & Area required) | <table><tr><td>Quantity</td><td>360 kg/day</td></tr><tr><td>Mode of Disposal</td><td>Biodegradable waste will be processed in organic waste converter</td></tr><tr><td>Capacity of facility</td><td>360 kg/day of capacity</td></tr><tr><td>Area required</td><td>20 Sqmt</td></tr></table>                                                                                                                                                  | Quantity | 360 kg/day  | Mode of Disposal | Biodegradable waste will be processed in organic waste converter | Capacity of facility | 360 kg/day of capacity | Area required | 20 Sqmt |
| Quantity             | 360 kg/day                                                       |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
| Mode of Disposal     | Biodegradable waste will be processed in organic waste converter |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
| Capacity of facility | 360 kg/day of capacity                                           |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
| Area required        | 20 Sqmt                                                          |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
|                      | b.                                                               | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                 | <table><tr><td>Quantity</td><td>538 kg/day</td></tr><tr><td>Mode of Disposal</td><td>Non- Biodegradable waste will be given to authorized vendors</td></tr><tr><td>Area required</td><td>20 Sqmt</td></tr></table>                                                                                                                                                                                                                           | Quantity | 538 kg/day  | Mode of Disposal | Non- Biodegradable waste will be given to authorized vendors     | Area required        | 20 Sqmt                |               |         |
| Quantity             | 538 kg/day                                                       |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
| Mode of Disposal     | Non- Biodegradable waste will be given to authorized vendors     |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
| Area required        | 20 Sqmt                                                          |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
|                      | c.                                                               | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                          | <table><tr><td>Quantity</td><td>150-180 lts</td></tr><tr><td>Mode of Disposal</td><td>Will be given to PCB authorized recycler</td></tr><tr><td>Area required</td><td>10 Sqmt</td></tr></table>                                                                                                                                                                                                                                              | Quantity | 150-180 lts | Mode of Disposal | Will be given to PCB authorized recycler                         | Area required        | 10 Sqmt                |               |         |
| Quantity             | 150-180 lts                                                      |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
| Mode of Disposal     | Will be given to PCB authorized recycler                         |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
| Area required        | 10 Sqmt                                                          |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
|                      | d.                                                               | Quantity of E waste generation and mode of Disposal as per norms                                                  | <table><tr><td>Quantity</td><td>150kg/year</td></tr><tr><td>Mode of Disposal</td><td>Will be given to PCB authorized recycler</td></tr><tr><td>Area required</td><td>15 Sqmt</td></tr></table>                                                                                                                                                                                                                                               | Quantity | 150kg/year  | Mode of Disposal | Will be given to PCB authorized recycler                         | Area required        | 15 Sqmt                |               |         |
| Quantity             | 150kg/year                                                       |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
| Mode of Disposal     | Will be given to PCB authorized recycler                         |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
| Area required        | 15 Sqmt                                                          |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
| 19                   | POWER                                                            |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |             |                  |                                                                  |                      |                        |               |         |
|                      | a.                                                               | Total Power Requirement - Operational Phase                                                                       | 1596 KW                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |             |                  |                                                                  |                      |                        |               |         |

|    |                                                 |                                                                                                                    |                                                                                                                                                              |                 |
|----|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|    | b.                                              | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 500 KVA X 2 Nos.                                                                                                                                             |                 |
|    | c.                                              | Details of Fuel used for DG Set                                                                                    | Low Sulphuric diesel                                                                                                                                         |                 |
|    | d.                                              | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | 21.0%                                                                                                                                                        |                 |
| 20 | PARKING                                         |                                                                                                                    |                                                                                                                                                              |                 |
|    | a.                                              | Parking Requirement as per norms (ECS)                                                                             | 470                                                                                                                                                          |                 |
|    | b.                                              | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report on SH-35 / NH-207 (2+2 lanes divided) towards - Varthur is D - Sarjapura is E |                 |
|    | c.                                              | Internal Road width (RoW)                                                                                          | 8.0                                                                                                                                                          |                 |
| 21 | CER Activities                                  |                                                                                                                    | Infrastructure development of nearby government school & hospital                                                                                            |                 |
| 22 | EMP (Details and capital cost & recurring cost) |                                                                                                                    | Construction phase                                                                                                                                           | Rs. 45.0 lakhs  |
|    |                                                 |                                                                                                                    | Operation phase                                                                                                                                              | Rs. 178.0 lakhs |

The proposal is for modification of residential apartment project, for which SEIAA had issued EC on 19.05.2023 for BUA 89,803.4 Sqm in plot area of 18,337.14 Sqm and it is presently proposed a decrease in BUA to 81,372.63 Sqm in plot area of 19,601.6 Sqm. Proponent had obtained plan approval from BDA on 10.10.2023 and CFE from KSPCB on 09.02.2023 and has submitted CCR from MoEF&CC dated 14.02.2024 informing that construction has just started.

The Committee during appraisal sought details regarding water body, drain as per village map and provisions made for rainwater harvesting in the project. The Proponent informed the Committee that for the water body in South Eastern side, buffer of 30 mtr from edge has been proposed and the valley portion in North Western side is left as it is with no development proposed. For harvesting rainwater, Proponent informed that they have proposed storage tank of capacities 150 cum for runoff from rooftop, hardscape and landscape areas in addition to 10 recharge pits within the site area.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 250 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 150 cum and 10 recharge pits.
5. To grow 250 trees in the early stage before taking up of construction.
6. To provide bellmouth entry and exit in the proposed project.
7. To source external water from KGWA approved water tankers.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.7 Modification and Expansion of Residential Apartment Project at Doddabidarukallu Village, Ward No.40, Yeshwanthpur Hobli, Bangalore North Taluk, Bangalore Urban District by M/s. Subram Builders - Online Proposal No.SIA/KA/INFRA2/466506/2024 (SEIAA 198 CON 2023)**

**About the project:**

| Sl. No. | Particulars                                                                                                                      | Information Provided by Proponent                                                                                                                         |
|---------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Name & Address of the Project Proponent                                                                                          | M/s. Subram Anyam Balaji (Subram Builders)<br>No. 328/1, Subram Arcade, Flat No. 401, 5 <sup>th</sup> Main,<br>Malleshpalya, CV Raman Nagar, Bangalore-75 |
| 2       | Name & Location of the Project                                                                                                   | Municipal Khatha No. 06/165, Doddabidarukallu<br>Village, Ward No. 40, Yeshwanthapura Hobli,<br>Bangalore North Taluk                                     |
| 3       | Type of Development                                                                                                              |                                                                                                                                                           |
|         | a. Residential Apartment / Villas /<br>Row Houses / Vertical<br>Development / Office / IT/ ITES/<br>Mall/ Hotel/ Hospital /other | Residential Apartment Project<br>Category 8(a)                                                                                                            |
|         | b. Residential Township/ Area<br>Development Projects                                                                            |                                                                                                                                                           |
|         | c. Zoning Classification                                                                                                         |                                                                                                                                                           |
| 4       | New/ Expansion/ Modification/<br>Renewal                                                                                         | Expansion                                                                                                                                                 |
| 5       | Water Bodies/ Nalas in the<br>vicinity of project site                                                                           | Doddabidrukallu - 86.6 M towards North East                                                                                                               |
| 6       | Plot Area (Sqm)                                                                                                                  | 12,240.77 Sqm                                                                                                                                             |
| 7       | Built Up area (Sqm)                                                                                                              | 36,836.25 Sqm                                                                                                                                             |
| 8       | FAR<br>• Permissible<br>• Proposed                                                                                               | 1.75<br>1.75                                                                                                                                              |

|    |                                                                                                              |                                                                                                                                                                                       |
|----|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9  | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | 3 Towers with 2 Basements + Ground + 4 Upper Floors + Terrace Floor                                                                                                                   |
| 10 | Number of units/plots in case of Construction/Residential Township /Area Development Projects                | 175 Units                                                                                                                                                                             |
| 11 | Height Clearance                                                                                             | 14.95 M                                                                                                                                                                               |
| 12 | Project Cost (Rs. In Crores)                                                                                 | 100.33 Crores                                                                                                                                                                         |
| 13 | Quantity excavated earth&its management                                                                      | 1. Backfilling in between foundation – 28475 cum<br>2. Backfilling for low level area filling - 16000 cum<br>3. Top soil to be used for landscaping - 14000 cum<br>Total – 58,475 Cum |
| 14 | Details of Land Use (Sqm)                                                                                    |                                                                                                                                                                                       |
|    | a. Ground Coverage Area                                                                                      | 4,504.72 Sqm                                                                                                                                                                          |
|    | b. Kharab Land                                                                                               |                                                                                                                                                                                       |
|    | c. Total Green belt on Mother Earth                                                                          | 3,628.35 Sqm                                                                                                                                                                          |
|    | d. Internal Roads                                                                                            | 3,960.95 Sqm                                                                                                                                                                          |
|    | e. Paved area                                                                                                |                                                                                                                                                                                       |
|    | f. Others Specify                                                                                            |                                                                                                                                                                                       |
|    | g. Parks and Open space in case of Residential Township/ Area Development Projects                           |                                                                                                                                                                                       |
|    | h. Total                                                                                                     | 12,094.02 Sqm                                                                                                                                                                         |
| 15 | WATER                                                                                                        |                                                                                                                                                                                       |
|    | I. Construction Phase                                                                                        |                                                                                                                                                                                       |
|    | a. Source of water                                                                                           | Domestic Purpose: Tankers / BWSSB<br>Construction Purpose: Treated water from STP                                                                                                     |
|    | b. Quantity of water for Construction in KLD                                                                 | 10 KLD                                                                                                                                                                                |
|    | c. Quantity of water for Domestic Purpose in KLD                                                             | 13.5 KLD                                                                                                                                                                              |
|    | d. Waste water generation in KLD                                                                             | 10.8 KLD                                                                                                                                                                              |
|    | e. Treatment facility proposed and scheme of disposal of treated water                                       | Generated sewage will be treated in DEWATS and the treated water will be used for dust suppression                                                                                    |
|    | II. Operational Phase                                                                                        |                                                                                                                                                                                       |
|    | a. Total Requirement of Water in KLD                                                                         | Fresh Water 79 KLD                                                                                                                                                                    |
|    |                                                                                                              | Recycled Water 39 KLD                                                                                                                                                                 |
|    |                                                                                                              | Total Water Requirement 118 KLD                                                                                                                                                       |
|    | b. Source of water                                                                                           | BWSSB                                                                                                                                                                                 |
|    | c. Wastewater generation in KLD                                                                              | 95 KLD                                                                                                                                                                                |
|    | d. STP capacity and Area required                                                                            | 100 KLD                                                                                                                                                                               |
|    | e. Technology employed for Treatment                                                                         | Sequencing Batch Reactor                                                                                                                                                              |
|    | f. Scheme of disposal of excess                                                                              | Flushing, Gardening, Driveway & Pathway                                                                                                                                               |

|    |     |                                                                                                                |                                                                                                                                                                                                                                                                   |
|----|-----|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |     | treated water if any                                                                                           | maintenance                                                                                                                                                                                                                                                       |
| 16 |     | Infrastructure for Rain water harvesting                                                                       |                                                                                                                                                                                                                                                                   |
|    | a.  | Capacity of sump/tank to store Roof & Hardscape/soft scaperun off                                              | 175 Cum                                                                                                                                                                                                                                                           |
|    | b.  | No's of Ground water recharge pits                                                                             | 7 Nos.                                                                                                                                                                                                                                                            |
| 17 |     | Storm water management plan                                                                                    | Rooftop water will be directed to common Rain Water collection Tank of capacity 175 Cum. Surface run off will be directed to a storage tank of capacity 25 cum                                                                                                    |
| 18 |     | <b>WASTE MANAGEMENT</b>                                                                                        |                                                                                                                                                                                                                                                                   |
|    | I.  | <b>Construction Phase</b>                                                                                      |                                                                                                                                                                                                                                                                   |
|    | a.  | Quantity of Construction & Demolition waster and its management.                                               | Demolition Waste: NA as there is no existing building<br>Construction Waste: 2210.18 T<br>- Soil Sand and gravel – 795.55 T<br>- Bricks & Masonry – 685.15<br>- Concrete – 508.34<br>- Metals – 110.51<br>- Bitumen – 44.20<br>- Wood – 44.20<br>- Others – 22.10 |
|    | b.  | Quantity of Solid waste generation and mode of Disposal other than C&D.                                        | None                                                                                                                                                                                                                                                              |
|    | II. | <b>Operational Phase</b>                                                                                       |                                                                                                                                                                                                                                                                   |
|    | a.  | Quantity of Biodegradable waste generation and mode of Disposal as per norms (Capacity of OWC & Area required) | Quantity: 262.5 Kgs / day<br>Mode of Disposal: Organic Waste Converter<br>Capacity of facility: 250 Kgs / day<br>Area required: 50 Sqm                                                                                                                            |
|    | b.  | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                              | Quantity: 175 Kgs / day<br>Mode of Disposal: Recyclers<br>Capacity of facility:<br>Area required:                                                                                                                                                                 |
|    | c.  | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                       | Quantity: 0.5 KL per annum of used oil and 8 Nos. of Filters<br>Mode of Disposal: KSPCB Authorized Recycler<br>Area required: 15 Sqm                                                                                                                              |
|    | d.  | Quantity of E waste generation and mode of Disposal as per norms                                               | Quantity: NA<br>Mode of Disposal:<br>Area required:                                                                                                                                                                                                               |
| 19 |     | <b>POWER</b>                                                                                                   |                                                                                                                                                                                                                                                                   |
|    | a.  | Total Power Requirement - Operational Phase                                                                    | 525 KVA                                                                                                                                                                                                                                                           |
|    | b.  | Numbers of DG set and capacity in KVA for Standby Power Supply                                                 | 500 KVA x 2 Nos.                                                                                                                                                                                                                                                  |
|    | c.  | Details of Fuel used for DG Set                                                                                | Diesel                                                                                                                                                                                                                                                            |
|    | d.  | Energy conservation plan and Percentage of savings including plan for utilization of solar energy              | 4.77%                                                                                                                                                                                                                                                             |

|    |                                                 |                                                                                                                         |                                                                                                                                                             |
|----|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                 | as per ECBC 2007                                                                                                        |                                                                                                                                                             |
| 20 | PARKING                                         |                                                                                                                         |                                                                                                                                                             |
|    | a.                                              | Parking Requirement as per norms (ECS)                                                                                  | 252 ECS                                                                                                                                                     |
|    | b.                                              | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                          | "B" Very Good                                                                                                                                               |
|    | c.                                              | Internal Road width (RoW)                                                                                               | 8 M                                                                                                                                                         |
| 21 | CER Activities                                  | Sl.No                                                                                                                   | Activities                                                                                                                                                  |
|    |                                                 | 1                                                                                                                       | Health care, Janapriya Health Centre, development facilities such as beds, wheel chairs, stretchers, sanitizers, gloves, masks, etc.,                       |
|    |                                                 | 2                                                                                                                       | Govt. school, Shree Vijaya Public School, Led lights/Solar Panel installation & RO drinking water facility, landscape development and rain water harvesting |
| 22 | EMP (Details and capital cost & recurring cost) | <ul style="list-style-type: none"><li>• Construction phase:16.75 Lakhs</li><li>• Operation phase: 183.5 Lakhs</li></ul> |                                                                                                                                                             |

The proposal is for expansion of residential apartment project. Proponent informed that the proposal is for expansion in BUA from 19,292.30 Sqm to 36,836.25 Sqm in plot area of 12,241.74 Sqm. For existing construction, they had obtained plan approval from BBMP on 03.06.2016 for BUA of 19,292.3 Sqm and CFE from KSPCB on 17.07.2021. Further, the Proponent informed the Committee that the generated construction waste has been stored in site area and would be handled as per C&D Rules 2016 and is presently stored inside the site for internal use. The Proponent informed the Committee that presently they have constructed BUA of 6,766.07 Sqm as per the approved plan and has justified the constructed BUA with a recent architect certificate.

The Committee during appraisal sought details regarding water body, drain as per village map and provisions made for rainwater harvesting in the project. The Proponent informed the Committee that for the water body in the North Eastern side, buffer of 30 mtr has been proposed and informed that there is no drain in western side and accordingly had obtained plan sanction from BBMP. For harvesting rainwater, Proponent informed that they have proposed storage tank of 175 cum & 25 cum for runoff from rooftop, hardscape and landscape areas along with 7 recharge pits within the site area.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 155 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 175 cum & 25 cum and 7 recharge pits.
5. To grow 155 trees in the early stage before taking up of construction.
6. To provide bellmouth entry and exit in the proposed project.
7. To source external water from KGWA approved water tankers.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.8 Residential Development Project at Industrial Suburb, 2<sup>nd</sup> Stage Yeshwanthpura, Bangalore – Tumkur Road, Bangalore by M/s. Godrej Properties Limited – Online Proposal No.SIA/KA/INFRA2/480246/2024 (SEIAA 66 CON 2024)**

**About the project:**

| Sl. No. | Particulars                                                                                                          | Information Provided by Proponent                                                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Name & Address of the Project Proponent                                                                              | Mr. S. SeshagiriBabu<br>Godrej Properties Ltd, Next to Museum, Bengaluru 10 <sup>th</sup> Floor, PID No.72-121-3/33, Prestige Obelisk, Kasturba Road, (Bangalore) Urban, Karnataka, 560001                   |
| 2       | Name & Location of the Project                                                                                       | Residential Development Project by M/s.Godrej Properties Ltd. located at Plot Nos.4, 5, 6, 7, 8, 9 & 12 Industrial Suburb, 2 <sup>nd</sup> Stage Yeshwanthpura, Bangalore – Tumkur Road, Bangalore – 560022. |
| 3       | Type of Development                                                                                                  |                                                                                                                                                                                                              |
| a.      | Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | “Proposed Construction of Residential Development”<br>Category 8(a)                                                                                                                                          |
| b.      | Residential Township/ Area Development Projects                                                                      | Residential Development                                                                                                                                                                                      |
| c.      | Zoning Classification                                                                                                | As per CDP map, the proposed area is categorised under Mutation Corridor and hence Residential development is allowed                                                                                        |
| 4       | New/ Expansion/ Modification/ Renewal                                                                                | New                                                                                                                                                                                                          |
| 5       | Water Bodies/ Nalas in the vicinity of project site                                                                  | <ul style="list-style-type: none"> <li>• Mathikere Lake-1.34 Km, NE</li> <li>• Sankey Tank Lake-4.38 Km, E</li> <li>• Ulsoor Lake-9.97 Km, E</li> </ul>                                                      |
| 6       | Plot Area (Sq.m)                                                                                                     | 19,965 Sq. m                                                                                                                                                                                                 |
| 7       | Built Up area (Sq.m)                                                                                                 | 1,07,357.84 Sq. m                                                                                                                                                                                            |

| 8     | FAR <ul style="list-style-type: none"> <li>• Permissible</li> <li>• Proposed</li> </ul>                     | <ul style="list-style-type: none"> <li>• 3.5</li> <li>• 3.49</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|-------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|----------------|--|-----------------------------------------|-------------|---|--------------|----------|---|-----------------|-----------|---|----------------|----------|---|-----------|----------|
| 9     | Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | 3 Blocks of 3B+GF+30UF+Club house building                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
| 10    | Number of units/plots in case of Construction/Residential Township /Area Development Projects               | BUA - 1,07,357.84 Sq. m<br>Number of Units – 344 Nos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
| 11    | Height Clearance                                                                                            | Airport Authority of India NOC has been obtained on 29.02.2024 and permissible Top Elevation in 1076.29 mtrs Above Mean Sea Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
| 12    | Project Cost (Rs. In Crores)                                                                                | Rs. 100 Crores                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
| 13    | Quantity excavated earth&its management                                                                     | <p>The quantity of excavated earth material as estimated around 2,07,575.37 Cum will be reused for back filling for three basement / sub base work for roads &amp; pavements within the project site.</p> <table border="1"> <thead> <tr> <th>Sl No</th><th>Item</th><th>Quantity (Cum)</th></tr> </thead> <tbody> <tr> <td></td><td>The total estimated earth work quantity</td><td>2,07,575.37</td></tr> <tr> <td>1</td><td>Back filling</td><td>93408.92</td></tr> <tr> <td>2</td><td>Roads &amp; walkway</td><td>62272.611</td></tr> <tr> <td>3</td><td>Site formation</td><td>20757.53</td></tr> <tr> <td>4</td><td>Landscape</td><td>31136.30</td></tr> </tbody> </table> | Sl No | Item | Quantity (Cum) |  | The total estimated earth work quantity | 2,07,575.37 | 1 | Back filling | 93408.92 | 2 | Roads & walkway | 62272.611 | 3 | Site formation | 20757.53 | 4 | Landscape | 31136.30 |
| Sl No | Item                                                                                                        | Quantity (Cum)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | The total estimated earth work quantity                                                                     | 2,07,575.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
| 1     | Back filling                                                                                                | 93408.92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
| 2     | Roads & walkway                                                                                             | 62272.611                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
| 3     | Site formation                                                                                              | 20757.53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
| 4     | Landscape                                                                                                   | 31136.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
| 14    | Details of Land Use (Sqm)                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | a. Ground Coverage Area                                                                                     | 3,517 Sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | b. Kharab Land                                                                                              | -NA-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | c. Total Green belt on Mother Earth                                                                         | 6,590 Sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | d. Internal Roads                                                                                           | 9858 Sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | e. Paved area                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | f. Others Specify                                                                                           | -NA-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | g. Parks and Open space in case of Residential Township/ Area Development Projects                          | -NA-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | h. Total                                                                                                    | 19965 Sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
| 15    | WATER                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | I. Construction Phase                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | a. Source of water                                                                                          | Source: BWSSB Treated water from Tankers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | b. Quantity of water for Construction in KLD                                                                | 10 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | c. Quantity of water for Domestic Purpose in KLD                                                            | 9 KLD<br>Source: BWSSB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | d. Waste water generation in KLD                                                                            | 7.65 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | e. Treatment facility proposed and scheme of disposal of treated water                                      | Mobile STP of 10 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |
|       | II. Operational Phase                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |      |                |  |                                         |             |   |              |          |   |                 |           |   |                |          |   |           |          |

|     |                                                                                                                   | Sl. No.                                                                                                                                                                                                                                                                           |                             | Total water requirement |              | Total (A+B) |
|-----|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------|--------------|-------------|
|     |                                                                                                                   |                                                                                                                                                                                                                                                                                   |                             | Flushing (A)            | Domestic (B) |             |
| a.  | Total Requirement of Water in KLD                                                                                 | 1                                                                                                                                                                                                                                                                                 | Water Demand                | 124                     | 211          | 335         |
|     |                                                                                                                   | 2                                                                                                                                                                                                                                                                                 | Water Demand for club house | 3                       | 4            | 7           |
|     |                                                                                                                   | 3                                                                                                                                                                                                                                                                                 | Total Water requirement     | 127                     | 215          | 342         |
|     |                                                                                                                   | 4                                                                                                                                                                                                                                                                                 | Total water generation      |                         |              | 273         |
|     |                                                                                                                   | 5                                                                                                                                                                                                                                                                                 | STP Capacity                |                         |              | 325 KLD     |
| b.  | Source of water                                                                                                   | BWSSB                                                                                                                                                                                                                                                                             |                             |                         |              |             |
| c.  | Wastewater generation in KLD                                                                                      | 273 KLD                                                                                                                                                                                                                                                                           |                             |                         |              |             |
| d.  | STP capacity and Area required                                                                                    | STP Capacity – 325 KLD<br>Area – 383 Sq.m                                                                                                                                                                                                                                         |                             |                         |              |             |
| e.  | Technology employed for Treatment                                                                                 | SBR Technology                                                                                                                                                                                                                                                                    |                             |                         |              |             |
| f.  | Scheme of disposal of excess treated water if any                                                                 | No excess treated water will be discharged outside                                                                                                                                                                                                                                |                             |                         |              |             |
| 16  | Infrastructure for Rain water harvesting                                                                          |                                                                                                                                                                                                                                                                                   |                             |                         |              |             |
| a.  | Capacity of sump/tank to store Roof & Hardscape/soft scape run off                                                | 10000 KL/A / 184cum                                                                                                                                                                                                                                                               |                             |                         |              |             |
| b.  | No's of Ground water recharge pits                                                                                | 04 Number of Recharge Pits                                                                                                                                                                                                                                                        |                             |                         |              |             |
| 17  | Storm water management plan                                                                                       | The storm water collection system will be designed in such a manner so that storm water from garden, parking area, roadways and lawns is used for recharging of ground water through 04 Nos. of Rain water harvesting pits and detailed calculation is provided in Project report |                             |                         |              |             |
| 18  | WASTE MANAGEMENT                                                                                                  |                                                                                                                                                                                                                                                                                   |                             |                         |              |             |
| I.  | Construction Phase                                                                                                |                                                                                                                                                                                                                                                                                   |                             |                         |              |             |
| a.  | Quantity of Construction & Demolition waster and its management.                                                  | Demolition Waste:1254.37 MT<br>Construction Waste:1622.11 MT                                                                                                                                                                                                                      |                             |                         |              |             |
| b.  | Quantity of Solid waste generation and mode of Disposal other than C&D.                                           | The generated solid waste of 30 Kgs /day from labours will be handed over to municipal authorities after segregation.                                                                                                                                                             |                             |                         |              |             |
| II. | Operational Phase                                                                                                 |                                                                                                                                                                                                                                                                                   |                             |                         |              |             |
| a.  | Quantity of Biodegradable waste generation and mode of Disposal as per norms<br>(Capacity of OWC & Area required) | Quantity:0.418 MT/day<br>Mode of Disposal:Treated in organic waste converter<br>Capacity of facility:500Kg/da<br>Area required:70 Sq.m                                                                                                                                            |                             |                         |              |             |
| b.  | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                 | Quantity:0.28 MT/day<br>Mode of Disposal:Handed over to approved KSPCB authorized agency.<br>Area required:70 Sq.m                                                                                                                                                                |                             |                         |              |             |
| c.  | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                          | Quantity:0.75KL/A<br>Mode of Disposal: Stored at an identified place in a leak proof containers & will be disposed to Treatment, Storage and Disposal (TSD)                                                                                                                       |                             |                         |              |             |

|    |                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                                                                                                                                                                                    | Facilities<br>Area required:10 Sq.m                                                                                                                                                                                                                              |
|    | d.                                                                                                                                                                                                                 | Quantity of E waste generation and mode of Disposal as per norms<br>Quantity:0.24TPA<br>Mode of Disposal:Will be stored in separate room and handed over to KSPCB Authorized re-processors/recyclers.<br>Area required:15 Sq.m                                   |
| 19 | POWER                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                  |
|    | a.                                                                                                                                                                                                                 | Total Power Requirement -Operational Phase<br>4237 KVA<br>Source: Transformer of capacity 8 X 500 KVA will be met from Bangalore Electricity Supply Company Limited.                                                                                             |
|    | b.                                                                                                                                                                                                                 | Numbers of DG set and capacity in KVA for Standby Power Supply<br>4 Nos x 1010 KVA + 1No x 250 KVA DG sets                                                                                                                                                       |
|    | c.                                                                                                                                                                                                                 | Details of Fuel used for DG Set<br>HSD for DG sets with low sulphur content 0.05%.                                                                                                                                                                               |
|    | d.                                                                                                                                                                                                                 | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007<br>Total Energy savings from implementation of solar appliances will be 14.59%                                                                |
| 20 | PARKING                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                  |
|    | a.                                                                                                                                                                                                                 | Parking Requirement as per norms (ECS)<br>838 Nos                                                                                                                                                                                                                |
|    | b.                                                                                                                                                                                                                 | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report<br><ul style="list-style-type: none"> <li>The present level of service of Tumkur Road and LoS is D</li> <li>The present level of service of 2nd Main Road and LoS is B</li> </ul> |
|    | c.                                                                                                                                                                                                                 | Internal Road width (RoW)<br>8 m                                                                                                                                                                                                                                 |
| 21 | CER Activities<br><ul style="list-style-type: none"> <li>Funds to Kali Tiger Foundation Karnataka Forest Department</li> </ul>                                                                                     |                                                                                                                                                                                                                                                                  |
| 22 | EMP (Details and capital cost & recurring cost)<br><ul style="list-style-type: none"> <li>Construction phase: 19 Lakhs (Capital)</li> <li>Operation phase: 71 Lakhs (Capital)&amp; 22 Lakhs (Recurring)</li> </ul> |                                                                                                                                                                                                                                                                  |

The Committee initially sought clarification regarding the complaint received from M/s. Rock Crystals regarding C&D waste management dated 09.07.2024, submitted to SEIAA by Proponent. The Committee had served a copy of complaint to Proponent. The Proponent in reply to the complaint submitted an undertaking informing that they have MoU with M/s. Beehive Brands Private Limited under Bengaluru Solid Waste Management Limited and the total estimated construction debris of 1,622.11 MT throughout the construction phase and demolition waste of existing building was 1,254.37 MT and the complete demolition waste has been handed over to Chikkjala BBMP approved C&D waste management unit and submitted the manifests and MoU of the same. Further it was informed that due to typographical error they had combined it with the estimated construction debris of 1,622.11 MT and had mentioned as 2,876.48 MT of demolition waste handed over to Chikkjala BBMPC&D waste management unit instead of 1,254.37 MT and informed the Committee that there is no violation in handling of waste as per C&D Waste Management Rules 2016. The Committee noted the clarification.

The proposal is for construction of a residential apartment project in an area earmarked for industrial use as per RMP of Bangalore Development Authority, for which the Proponent informed the Committee that residential use is permitted in mutation corridor as per zonal regulations.

The Committee during appraisal sought details regarding rainwater harvesting proposed in the project. The Proponent informed the Committee that for harvesting rainwater, they have proposed storage tank of 184 cum for runoff from rooftop and 4 recharge pits within the site area for runoff from hardscape and landscape areas.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 250 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 184 cum and 4 recharge pits.
5. To grow 250 trees in the early stage before taking up of construction.
6. To source external water from KGWA approved water tankers.
7. To provide bellmouth entry and exit in the proposed project.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve of water.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.9 Residential Apartment with Club House and Retail Shop Project at Avalahalli Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore District by M/s. Concorde Housing Corporation Pvt. Ltd. – Online Proposal No.SIA/KA/INFRA2/480907/2024 (SEIAA 71 CON 2024)**

**About the project:**

| Sl. No | Particulars                             | Information Provided by Proponent                                                                              |
|--------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent | Mr. R. G. Anil, Director<br>40/1, Concorde, Vittal Mallya Road,<br>Shantala Nagar, Bangalore, Karnataka 560001 |




| 2                         | Name & Location of the Project                                                                                    | Residential Apartment with Club House and Retail Shop at Sy.Nos.1 & 2 of Avalahalli Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore District,                                                                                                                                                                                                                                                                                                                                                                      |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------|----------------------------|---------|-----------------------|--------|-----|------------|--|--|---------------------------|-------|----|-----------------|-------|----|------------------|--------|----|----------------|-------|----|
| 3                         | Type of Development                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| a.                        | Residential Apartment / Villas / Row Houses/Vertical Development / Office /IT/ ITES/ Mall/ Hotel/ Hospital /other | "Construction of Residential Apartment with Club House and Retail Shop"<br>Category 8(a)                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| b.                        | Residential Township/ Area Development Projects                                                                   | Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| c.                        | Zoning classification                                                                                             | Proposed project site comes under Commercial zone as per Bangalore Revised Master Plan 2015 of 3.12 Avalahalli and conversion has been obtained for residential purpose on 21.09.2023.                                                                                                                                                                                                                                                                                                                                         |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 4                         | New/Expansion/Modification/Renewal                                                                                | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 5                         | Water Bodies/ Nalas in the vicinity of project site                                                               | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 6                         | Plot Area (Sqm)                                                                                                   | 8,760.68 Sqm (2A 6.62G)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 7                         | Built Up area (Sqm)                                                                                               | 43,803.017 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 8                         | FAR <ul style="list-style-type: none"><li>• Permissible</li><li>• Proposed</li></ul>                              | 3.25<br>3.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 9                         | Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]       | Residential Building: 2B+GF+38UF – 126.45 m<br>Retail Building: 2B+GF+2UF – 13.05 m                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 10                        | Number of units/plots in case of Construction/Residential Township /Area Development Projects                     | 148 No's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 11                        | Height Clearance                                                                                                  | <ul style="list-style-type: none"><li>▪ Project site elevation – 878.95 m</li><li>▪ Building Height – 126.45 m</li><li>▪ Maximum building height: 1,005.4 m</li></ul> CCZM Height:Top elevation 1035 m AMSL or below                                                                                                                                                                                                                                                                                                           |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 12                        | Project Cost (Rs. In Crores)                                                                                      | 108.7Crores.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 13                        | Quantity excavated earth & its management                                                                         | Quantity of excavated earth and its management is shown below: <table><tr><th>Description</th><th>Quantity in m<sup>3</sup></th><th>% usage</th></tr><tr><td>Total Excavated earth</td><td>30,324</td><td>100</td></tr><tr><td colspan="3">Management</td></tr><tr><td>Backfilling in foundation</td><td>6,975</td><td>23</td></tr><tr><td>For landscaping</td><td>8,491</td><td>28</td></tr><tr><td>Roads &amp; walkways</td><td>11,523</td><td>38</td></tr><tr><td>Site formation</td><td>3,335</td><td>11</td></tr></table> |  |  | Description | Quantity in m <sup>3</sup> | % usage | Total Excavated earth | 30,324 | 100 | Management |  |  | Backfilling in foundation | 6,975 | 23 | For landscaping | 8,491 | 28 | Roads & walkways | 11,523 | 38 | Site formation | 3,335 | 11 |
| Description               | Quantity in m <sup>3</sup>                                                                                        | % usage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| Total Excavated earth     | 30,324                                                                                                            | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| Management                |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| Backfilling in foundation | 6,975                                                                                                             | 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| For landscaping           | 8,491                                                                                                             | 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| Roads & walkways          | 11,523                                                                                                            | 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| Site formation            | 3,335                                                                                                             | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |
| 14                        | Details of Land Use (Sqm)                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |             |                            |         |                       |        |     |            |  |  |                           |       |    |                 |       |    |                  |        |    |                |       |    |

|     |                                                                                                         |                                                                                                                                                                                                                        |                                                   |
|-----|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| a.  | Ground Coverage Area                                                                                    | 1,852.90 Sqm                                                                                                                                                                                                           |                                                   |
| b.  | Kharab Land                                                                                             | -                                                                                                                                                                                                                      |                                                   |
| c.  | Total Green belt on Mother Earth for projects under 8(a) of the schedules of the EIA notification, 2006 | 1,847.46 Sqm                                                                                                                                                                                                           |                                                   |
| d.  | Internal roads                                                                                          | 4,508.32 Sqm                                                                                                                                                                                                           |                                                   |
| e.  | Paved area                                                                                              |                                                                                                                                                                                                                        |                                                   |
| f.  | Others Specify                                                                                          | Road widening area -552.0 Sqm                                                                                                                                                                                          |                                                   |
| g.  | Parks and Open space in case of Residential Township/ Area Development Projects                         | -                                                                                                                                                                                                                      |                                                   |
| h.  | Total                                                                                                   | 8,760.68Sqm                                                                                                                                                                                                            |                                                   |
| 15  | WATER                                                                                                   |                                                                                                                                                                                                                        |                                                   |
| I.  | Construction Phase                                                                                      |                                                                                                                                                                                                                        |                                                   |
| a.  | Source of water                                                                                         | STP treated water for construction purpose & Tanker water for domestic purpose.                                                                                                                                        |                                                   |
| b.  | Quantity of water for Construction in KLD                                                               | 10 KLD                                                                                                                                                                                                                 |                                                   |
| c.  | Quantity of water for Domestic Purpose in KLD                                                           | 5 KLD                                                                                                                                                                                                                  |                                                   |
| d.  | Wastewater generation in KLD                                                                            | 4 KLD                                                                                                                                                                                                                  |                                                   |
| e.  | Treatment facility proposed and scheme of disposal of treated water                                     | Will be treated in Mobile STP                                                                                                                                                                                          |                                                   |
| II. | Operational Phase                                                                                       |                                                                                                                                                                                                                        |                                                   |
| a.  | Total Requirement of Water in KLD                                                                       | Fresh                                                                                                                                                                                                                  | 93 KLD (Residential: 90 KLD, Retail: 3 KLD)       |
|     |                                                                                                         | Recycled                                                                                                                                                                                                               | 49.5 KLD (Residential: 45 KLD, Retail: 4.5 KLD)   |
|     |                                                                                                         | Total                                                                                                                                                                                                                  | 142.5 KLD (Residential: 135 KLD, Retail: 7.5 KLD) |
| b.  | Source of water                                                                                         | BWSSB                                                                                                                                                                                                                  |                                                   |
| c.  | Wastewater generation in KLD                                                                            | 135 KLD (Residential: 128 KLD, Retail: 7 KLD)                                                                                                                                                                          |                                                   |
| d.  | STP capacity                                                                                            | 130 KLD (Residential) and 10 KLD (Retail)                                                                                                                                                                              |                                                   |
| e.  | Technology employed for Treatment                                                                       | Sequencing Batch Reactor (SBR) Technology                                                                                                                                                                              |                                                   |
| f.  | Scheme of disposal of excess treated water if any                                                       | Available treated water – 128 KLD (95% of wastewater)<br>For flushing – 49.5 KLD<br>For Landscape – 11 KLD<br>For car washing- 10 KLD<br>For other construction purpose/avenue plantation – 57.5 KLD                   |                                                   |
| 16  | Infrastructure for Rainwater harvesting                                                                 |                                                                                                                                                                                                                        |                                                   |
| a.  | Capacity of sump tank to store Roof run off                                                             | 2 x 130 Cum                                                                                                                                                                                                            |                                                   |
| b.  | Nos of Ground water recharge pits                                                                       | 6No's                                                                                                                                                                                                                  |                                                   |
| 17  | Storm water management plan                                                                             | •Land is gently sloping terrain and sloping towards North waste direction.<br>•Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn & roads. |                                                   |
| 18  | WASTE MANAGEMENT                                                                                        |                                                                                                                                                                                                                        |                                                   |

| I.    | Construction Phase                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--|-------|-----------|----------|------------|----|--------|---------|---------------------|----|-----------------|--------|---------------------------|----|------------|-----------|-------------------|----|-------|----------|------|
| a.    | Quantity of Construction & Demolition waste and its management                    | <ul style="list-style-type: none"><li>• Construction Waste: Construction debris &amp; waste at construction site will not cause any health hazard. Construction waste is generally bulky and heavy and mostly unsuitable for disposal by incineration or composting and hence reused as filling materials for internal roads and pavements.</li><li>• Demolition waste: There is an existing building with built-up area of 1,500 Sqm at the project site, and it will be cleared by taking all necessary precautionary measures so as not to cause any harm to nearby environment and habitat.</li></ul> <p>The approximate quality of demolition waste and its management is shown below,</p> <table><tr><th>Sl.No</th><th>Materials</th><th>Quantity</th><th>Management</th></tr><tr><td>1.</td><td>Bricks</td><td>150 Sqm</td><td>Used for foundation</td></tr><tr><td>2.</td><td>Concrete debris</td><td>13 Cum</td><td>Reused for road formation</td></tr><tr><td>3.</td><td>Roof tiles</td><td>5,000 Sqm</td><td>Recycled and sold</td></tr><tr><td>4.</td><td>Steel</td><td>1,023 Kg</td><td>Sold</td></tr></table> |                           |  | Sl.No | Materials | Quantity | Management | 1. | Bricks | 150 Sqm | Used for foundation | 2. | Concrete debris | 13 Cum | Reused for road formation | 3. | Roof tiles | 5,000 Sqm | Recycled and sold | 4. | Steel | 1,023 Kg | Sold |
| Sl.No | Materials                                                                         | Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Management                |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| 1.    | Bricks                                                                            | 150 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Used for foundation       |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| 2.    | Concrete debris                                                                   | 13 Cum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Reused for road formation |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| 3.    | Roof tiles                                                                        | 5,000 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Recycled and sold         |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| 4.    | Steel                                                                             | 1,023 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sold                      |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| b.    | Quantity of Solid waste generation and mode of Disposal other than C&D            | Quantity – 10 kg/day<br>Solid waste will be generated and collected manually and handed over to local body for further processing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| II.   | Operational Phase                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| a.    | Quantity of Biodegradable waste generation and mode of Disposal as per norms      | Quantity: 286 kg/day<br>Mode of disposal: Organic waste converter<br>Capacity of facility: 300 kg/day<br>Area required: 45 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| b.    | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms | Quantity – 430kg/day<br>Mode of Disposal: Recyclable waste will be given to the waste collectors for recycling for further processing.<br>Area required: 50 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| c.    | Quantity of Hazardous Waste generation and mode of Disposal as per norms          | Quantity: 0.45 TPA<br>Mode of Disposal: Authorized waste oil recyclers<br>Area required: 20 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| d.    | Quantity of E waste generation and mode of Disposal as per norms                  | Quantity: 5.84 TPA<br>Mode of Disposal: Authorized Recyclers<br>Area required: 30 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| 19    | POWER                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| a.    | Total Power Requirement - Operational Phase                                       | BESCOM – 1,000 kVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |
| b.    | Numbers of DG set and capacity in KVA for Standby Power Supply                    | 1 x 625 kVA and 1 x 160 kVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |  |       |           |          |            |    |        |         |                     |    |                 |        |                           |    |            |           |                   |    |       |          |      |

|    |    |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----|----|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | c. | Details of Fuel used for DG Set                                                                                    | Diesel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|    | d. | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | Energy conservation devices such as Solar energy, Copper wound transformer are proposed in the project -17 %.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 20 |    | PARKING                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|    | a. | Parking Requirement as per norms (ECS)                                                                             | 305 no's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|    | b. | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | Towards Bengaluru<br>Towards Hoskote                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|    | c. | Internal Road width (RoW)                                                                                          | 8.0 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 21 |    | CER Activities                                                                                                     | <ul style="list-style-type: none"> <li>• Providing the following necessary requirements to the Chinnagenahalli Govt Primary School, Bidare Agrahara, Doddabahanahalli, Bengaluru – 974 m (SE).</li> <li>• Location: (Contact person: Umesh - 9802275906)               <ol style="list-style-type: none"> <li>1. Provision of smart class</li> <li>2. Drinking water facility</li> <li>3. Rainwater harvesting system</li> <li>4. Gents and Ladies Toilets</li> <li>5. Printer and Cycle stands</li> <li>6. Tables and Desks -25</li> <li>7. Study materials and equipments for Library</li> <li>8. Carpet for auditorium., etc</li> </ol> </li> <li>• Providing RO unit, Construction of compound wall &amp; children park for Anganwadi Kendra, Avalahalli, Bengaluru – 87 m (SW).<br/>(Contact person: Shakeen - 9972256234)</li> </ul> |
| 22 |    | EMP (Details and capital cost & recurring cost)                                                                    | <ul style="list-style-type: none"> <li>• Construction phase – 23.5 Lakhs<br/>Capital cost: 21 Lakhs<br/>Recurring cost: 2.5 Lakhs</li> <li>• Operational Phase – 172.75 lakhs<br/>Capital cost: 159.15 Lakhs<br/>Recurring cost: 13.6 Lakhs</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

The proposal is for construction of a residential apartment project in an area earmarked for industrial use as per RMP of Bangalore Development Authority, for which the Proponent informed the Committee that residential use is permitted in area demarcated for industrial as per zonal regulations.

The Committee during appraisal sought details regarding rainwater harvesting proposed in the project. The Proponent informed the Committee that for harvesting rainwater, they have proposed storage tank of capacities 2x130cum for runoff from rooftop and 6 recharge pits within the site area for runoff from hardscape and landscape areas.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 340 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the wastewater to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 2x130cum and 6 recharge pits.
5. To grow 340 trees in the early stage before taking up of construction.
6. To source external water from KGWA approved water tankers.
7. To provide bellmouth entry and exit in the proposed project.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.
12. To take additional precautionary measures in construction & operation phases towards Yelemallappashetty lake.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.10 Ordinary Sand Mining Project at Palathi Village, Ilkal Taluk, Bagalkot District (8-30 Acres) (3.411 Hectares) by Sri Durgadevi Minerals – Online Proposal No.SIA/KA/MIN/480704/2024 (SEIAA 89 MIN 2024)**

**About the project:**

| Sl.No               | PARTICULARS                              | INFORMATION PROVIDED BY PROPONENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|---------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 1                   | Name & Address of the Projects Proponent | Sri Durgadevi Minerals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| 2                   | Name & Location of the Project           | Ordinary Sand Mining Project at Sy.Nos.29/1, 29/2 & 30/2 of Palathi Village, Ilkal Taluk, Bagalkot District (8-30 Acres) (3.411 Hectares) <table><tr><td>N 16° 05' 49.85460"</td><td>E 76° 11' 28.15310"</td></tr><tr><td>N 16° 05' 47.95460"</td><td>E 76° 11' 30.05280"</td></tr><tr><td>N 16° 05' 46.95036"</td><td>E 76° 11' 32.74145"</td></tr><tr><td>N 16° 05' 46.83641"</td><td>E 76° 11' 30.14064"</td></tr><tr><td>N 16° 05' 43.43414"</td><td>E 76° 11' 24.55656"</td></tr><tr><td>N 16° 05' 42.22175"</td><td>E 76° 11' 23.31529"</td></tr><tr><td>N 16° 05' 46.35517"</td><td>E 76° 11' 20.75072"</td></tr><tr><td>N 16° 05' 47.94527"</td><td>E 76° 11' 22.61522"</td></tr><tr><td>N 16° 05' 48.43968"</td><td>E 76° 11' 23.71192"</td></tr></table> | N 16° 05' 49.85460" | E 76° 11' 28.15310" | N 16° 05' 47.95460" | E 76° 11' 30.05280" | N 16° 05' 46.95036" | E 76° 11' 32.74145" | N 16° 05' 46.83641" | E 76° 11' 30.14064" | N 16° 05' 43.43414" | E 76° 11' 24.55656" | N 16° 05' 42.22175" | E 76° 11' 23.31529" | N 16° 05' 46.35517" | E 76° 11' 20.75072" | N 16° 05' 47.94527" | E 76° 11' 22.61522" | N 16° 05' 48.43968" | E 76° 11' 23.71192" |
| N 16° 05' 49.85460" | E 76° 11' 28.15310"                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 16° 05' 47.95460" | E 76° 11' 30.05280"                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 16° 05' 46.95036" | E 76° 11' 32.74145"                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 16° 05' 46.83641" | E 76° 11' 30.14064"                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 16° 05' 43.43414" | E 76° 11' 24.55656"                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 16° 05' 42.22175" | E 76° 11' 23.31529"                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 16° 05' 46.35517" | E 76° 11' 20.75072"                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 16° 05' 47.94527" | E 76° 11' 22.61522"                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 16° 05' 48.43968" | E 76° 11' 23.71192"                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| 3                   | Type Of Mineral                          | Ordinary Sand Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |

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|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------|----------------------------------------------|-----|---------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------|-----|---------------------------------------------------|
| 4    | New/Expansion/Modification/Renewal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | New                                                             |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 5    | Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Patta                                                           |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 6    | Area in Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8-30 Acres (3.411 Hectares)                                     |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 7    | Annual Production (Metric Ton / Cum) Per Annum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50,000 tons/annum(including waste)                              |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 8    | Project Cost (Rs. In Crores)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rs. 1.67 Crores (Rs. 167 Lakhs)                                 |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 9    | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1,50,000 Tones (including waste)                                |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 10   | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 50,000 tons/annum (including waste)                             |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 11   | CER Activities: <table><tr><td>Year</td><td>Corporate Environmental Responsibility (CER)</td></tr><tr><td>1st</td><td>Providing solar power panels to common public places to the GHPS school at Palathi Village.</td></tr><tr><td>2nd</td><td>Rain water harvesting pits to the GHPS school at Palathi Village.</td></tr><tr><td>3rd</td><td>The proponent proposes to distribute nursery plants at Palathi Village &amp; Strengthening of approach road</td></tr><tr><td>4th</td><td>Avenue plantation either side of the approach road near Quarry site &amp; Repair of road With drainages</td></tr><tr><td>5th</td><td>Health camp to the GHPS school at Palathi Village</td></tr></table> |                                                                 | Year | Corporate Environmental Responsibility (CER) | 1st | Providing solar power panels to common public places to the GHPS school at Palathi Village. | 2nd | Rain water harvesting pits to the GHPS school at Palathi Village. | 3rd | The proponent proposes to distribute nursery plants at Palathi Village & Strengthening of approach road | 4th | Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages | 5th | Health camp to the GHPS school at Palathi Village |
| Year | Corporate Environmental Responsibility (CER)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                 |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 1st  | Providing solar power panels to common public places to the GHPS school at Palathi Village.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                 |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 2nd  | Rain water harvesting pits to the GHPS school at Palathi Village.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                 |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 3rd  | The proponent proposes to distribute nursery plants at Palathi Village & Strengthening of approach road                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 4th  | Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                 |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 5th  | Health camp to the GHPS school at Palathi Village                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                 |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 12   | EMP Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Rs.17.18 Lakhs (Capital Cost) & Rs.11.42 lakhs (Recurring cost) |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 13   | Forest NOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 08.09.2023                                                      |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 14   | Cluster certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 29.05.2024                                                      |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 15   | Revenue NOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 06.09.2023                                                      |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 16   | DTF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 09.02.2024                                                      |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 17   | Approved by Quarry Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 28.05.2024                                                      |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |
| 18   | JIR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3 mtr                                                           |      |                                              |     |                                                                                             |     |                                                                   |     |                                                                                                         |     |                                                                                                     |     |                                                   |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the proposed area is fresh land and no mining has been carried out by Proponent. The Committee noted the clarification and appraised the project.

As per the cluster sketch there is no lease in a radius of 500 mtr from the said lease and the total area of the present lease is 8-30 Acres and hence the project is categorized as B2. Proponent informed that as per DMG letter dated 11.06.2024, there is no river sand mining in a radius of 5 km from the proposed site area.

There is an existing cart track road to a length of 90 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphaltting the approach road to the quarry as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 1,50,000 Tones (including waste) and estimated the life of mine to be 3 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production 50,000 tons/annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road & buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To take necessary measures to arrest noise and vibration from the quarry area.
5. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
6. To use top soil for back filling for mine closure.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.1.11 Building Stone Quarry project at Madahalli Village, Gundlupete Taluk, Chamarajanagar District (2-17 Acres) by Sri Ameenuddin S H N - Online Proposal No.SIA/KA/MIN/481533/2024 (SEIAA 85 MIN 2024)**

**About the project:**

| Sl.No                 | PARTICULARS                                                              | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
|-----------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 1                     | Name & Address of the Projects Proponent                                 | Sri Ameenuddin S H N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 2                     | Name & Location of the Project                                           | Building Stone Quarry project at Sy.Nos.371/2 & 386/2 of Madahalli Village, Gundlupete Taluk, Chamarajanagar District (2-17 Acres) <table><tr><td>N 11° 48' 27.7262"</td><td>E 76° 38' 52.3435"</td></tr><tr><td>N 11° 48' 26.26.9174"</td><td>E 76° 38' 55.9743"</td></tr><tr><td>N 11° 48' 25.4861"</td><td>E 76° 38' 55.8001"</td></tr><tr><td>N 11° 48' 24.4465"</td><td>E 76° 38' 55.5302"</td></tr><tr><td>N 11° 48' 24.8854"</td><td>E 76° 38' 52.7244"</td></tr><tr><td>N 11° 48' 25.1902"</td><td>E 76° 38' 50.6453"</td></tr><tr><td>N 11° 48' 26.1333"</td><td>E 76° 38' 50.8495"</td></tr><tr><td>N 11° 48' 25.9632"</td><td>E 76° 38' 52.1364"</td></tr></table> | N 11° 48' 27.7262" | E 76° 38' 52.3435" | N 11° 48' 26.26.9174" | E 76° 38' 55.9743" | N 11° 48' 25.4861" | E 76° 38' 55.8001" | N 11° 48' 24.4465" | E 76° 38' 55.5302" | N 11° 48' 24.8854" | E 76° 38' 52.7244" | N 11° 48' 25.1902" | E 76° 38' 50.6453" | N 11° 48' 26.1333" | E 76° 38' 50.8495" | N 11° 48' 25.9632" | E 76° 38' 52.1364" |
| N 11° 48' 27.7262"    | E 76° 38' 52.3435"                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| N 11° 48' 26.26.9174" | E 76° 38' 55.9743"                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| N 11° 48' 25.4861"    | E 76° 38' 55.8001"                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| N 11° 48' 24.4465"    | E 76° 38' 55.5302"                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| N 11° 48' 24.8854"    | E 76° 38' 52.7244"                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| N 11° 48' 25.1902"    | E 76° 38' 50.6453"                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| N 11° 48' 26.1333"    | E 76° 38' 50.8495"                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| N 11° 48' 25.9632"    | E 76° 38' 52.1364"                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 3                     | Type Of Mineral                                                          | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 4                     | New/Expansion/Modification/ Renewal                                      | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 5                     | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other] | Patta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 6                     | Area in Acres                                                            | 2-17 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 7                     | Annual Production (Metric Ton / Cum) Per Annum                           | 42,105 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 8                     | Project Cost (Rs. In Crores)                                             | Rs. 1.27 Crores (Rs.127 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 9                     | Proved Quantity of mine/ Quarry- Cu.m / Ton                              | 11,45,516 Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 10                    | Permitted Quantity Per Annum - Cu.m / Ton                                | 40,000 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                    |                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

|    |                     |                                                                                        |
|----|---------------------|----------------------------------------------------------------------------------------|
| 11 | CER Activities:     |                                                                                        |
|    | Year                | Corporate Environmental Responsibility (CER)                                           |
|    | 1st                 | Providing solar power panels to GHPS at Madahalli village                              |
|    | 2nd                 | Rain water harvesting pits to the GHPS in Madahalli village.                           |
|    | 3rd                 | Conducting E-waste drive campaigns in the Madahalli village                            |
|    | 4th                 | Scientific support and awareness to local farmers to increase yield of crop and fodder |
|    | 5th                 | Health camp in the GHPS in Madahalli village.                                          |
| 12 | EMP Budget          | Rs. 31.42 Lakhs (Capital Cost) & Rs. 6.83 Lakhs (Recurring cost)                       |
| 13 | Forest NOC          | 17.10.2023                                                                             |
| 14 | Quarry plan         | 13.03.2024                                                                             |
| 15 | Cluster certificate | 13.05.2024                                                                             |
| 16 | Notification        | 01.03.2024                                                                             |
| 17 | Revenue             | 22.09.2023                                                                             |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that no mining has been carried out by Proponent and informed that project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there are three leases in a radius of 500 mtrs from the applied lease and the total area of the leases including the applied lease is 8-16 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 425 meters connecting the lease area to the all-weather black topped road. The Committee informed that the mining operation should be commenced after asphaltting the approach road to the quarry and road connecting the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 11,45,516 Tons (including waste) and estimated the life of the quarry to be 28 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 42,105 Tons/year (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road & buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.1.12 Building Stone Quarry Project at Vajara Bandi village in Yelburga Taluk, Koppala District (9-25 Acres) by Sri Arvind S Patil – Online Proposal No.SIA/KA/MIN/468247/2024 (SEIAA 88 MIN 2024)**

**About the project:**

| Sl.No               | PARTICULARS                                                                                                                                                                                                                                                                  | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 1                   | Name & Address of the Projects Proponent                                                                                                                                                                                                                                     | Sri Arvind S Patil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 2                   | Name & Location of the Project                                                                                                                                                                                                                                               | Building Stone Quarry Project at Sy.No.44 of Vajara Bandi village in Yelburga Taluk, Koppala District (9-25 Acres) <table><tr><td>15° 40' 21.01224" N</td><td>76° 06' 46.98469"E</td></tr><tr><td>15° 40' 20.31546" N</td><td>76° 06' 55.40586"E</td></tr><tr><td>15° 40' 18.39338" N</td><td>76° 06' 56.18551"E</td></tr><tr><td>15° 40' 13.19670" N</td><td>76° 06' 53.80781"E</td></tr><tr><td>15° 40' 12.79778" N</td><td>76° 06' 50.31618"E</td></tr><tr><td>15° 40' 17.98201" N</td><td>76° 06' 51.19408"E</td></tr><tr><td>15° 40' 18.20322" N</td><td>76° 06' 47.38156"E</td></tr><tr><td>15° 40' 20.61534" N</td><td>76° 06' 47.28470"E</td></tr></table> | 15° 40' 21.01224" N | 76° 06' 46.98469"E | 15° 40' 20.31546" N | 76° 06' 55.40586"E | 15° 40' 18.39338" N | 76° 06' 56.18551"E | 15° 40' 13.19670" N | 76° 06' 53.80781"E | 15° 40' 12.79778" N | 76° 06' 50.31618"E | 15° 40' 17.98201" N | 76° 06' 51.19408"E | 15° 40' 18.20322" N | 76° 06' 47.38156"E | 15° 40' 20.61534" N | 76° 06' 47.28470"E |
| 15° 40' 21.01224" N | 76° 06' 46.98469"E                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 15° 40' 20.31546" N | 76° 06' 55.40586"E                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 15° 40' 18.39338" N | 76° 06' 56.18551"E                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 15° 40' 13.19670" N | 76° 06' 53.80781"E                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 15° 40' 12.79778" N | 76° 06' 50.31618"E                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 15° 40' 17.98201" N | 76° 06' 51.19408"E                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 15° 40' 18.20322" N | 76° 06' 47.38156"E                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 15° 40' 20.61534" N | 76° 06' 47.28470"E                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 3                   | Type Of Mineral                                                                                                                                                                                                                                                              | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 4                   | New/Expansion/Modification/ Renewal                                                                                                                                                                                                                                          | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 5                   | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                                                                                                                                                     | Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 6                   | Area in Acres                                                                                                                                                                                                                                                                | 9-25 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 7                   | Annual Production (Metric Ton / Cum) Per Annum                                                                                                                                                                                                                               | 1,53,492 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 8                   | Project Cost (Rs. In Crores)                                                                                                                                                                                                                                                 | Rs. 1.74 Crores (Rs.1.74 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 9                   | Proved Quantity of mine/ Quarry-Cu.m / Ton                                                                                                                                                                                                                                   | 26,74,834.93 Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 10                  | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                                                                                                                                    | 1,50,423 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 11                  | CER Activities: 1. Rainwater harvesting pits of High School at Vajrabandi Village and Kalakbandi will be carried out. 2. Provision of Solar Power Panels in Government higher primay school at Vajrabandi of (Kalakbandi, Ningananabandi, Konsagar and mandalmari) Villages. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 12                  | EMP Budget                                                                                                                                                                                                                                                                   | Rs. 32.7 lakhs (Capital Cost) & Rs. 18.6 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 13                  | Forest NOC                                                                                                                                                                                                                                                                   | 21.09.2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 14                  | Quarry plan                                                                                                                                                                                                                                                                  | 21.12.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 15                  | Cluster certificate                                                                                                                                                                                                                                                          | 04.01.2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 16                  | Revenue                                                                                                                                                                                                                                                                      | 24.09.2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |
| 17                  | DTF                                                                                                                                                                                                                                                                          | 25.08.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the proposed area is a Government land and local villagers have used for bonfied purpose and no mining has been carried out by Proponent and justified that the proposed project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there is one lease in a radius of 500 mtr from the said lease and is exempted from cluster as leases were granted prior to 09.09.2013 and the area of the applied lease is 9-25 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 1,000 meters connecting the lease area to the all-weather black topped road. The Committee informed that the mining operation should be commenced after asphaltting the approach road to the quarry and road connecting the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 26,74,834.93 Tons (including waste) and estimated the life of the quarry to be 18 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 1,53,492 Tons/year (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road& buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.13 Building Stone Quarry Project at Belluru village in Kolar Taluk & District (0-24 Acres) (Q.L.No.365) by Sri B. M. Rajanna – Online Proposal No.SIA/KA/MIN/478572/2024 (SEIAA 87 MIN 2024)**

**About the project:**

about the project.

| SLNo               | PARTICULARS                              | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                      |                    |                    |                    |                    |                    |                    |                    |                    |
|--------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 1                  | Name & Address of the Projects Proponent | Sri B. M. Rajanna                                                                                                                                                                                                                                                                                                                                                               |                    |                    |                    |                    |                    |                    |                    |                    |
| 2                  | Name & Location of the Project           | Building Stone Quarry Project at Sy.No.20 of Belluru village in Kolar Taluk & District (0-24 Acres) <table><tr><td>N 13° 57' 57.6562"</td><td>E 77° 58' 51.8214"</td></tr><tr><td>N 13° 57' 58.8557"</td><td>E 77° 58' 48.0783"</td></tr><tr><td>N 13° 57' 59.4877"</td><td>E 77° 58' 48.3888"</td></tr><tr><td>N 13° 57' 58.3445"</td><td>E 77° 58' 51.8579"</td></tr></table> | N 13° 57' 57.6562" | E 77° 58' 51.8214" | N 13° 57' 58.8557" | E 77° 58' 48.0783" | N 13° 57' 59.4877" | E 77° 58' 48.3888" | N 13° 57' 58.3445" | E 77° 58' 51.8579" |
| N 13° 57' 57.6562" | E 77° 58' 51.8214"                       |                                                                                                                                                                                                                                                                                                                                                                                 |                    |                    |                    |                    |                    |                    |                    |                    |
| N 13° 57' 58.8557" | E 77° 58' 48.0783"                       |                                                                                                                                                                                                                                                                                                                                                                                 |                    |                    |                    |                    |                    |                    |                    |                    |
| N 13° 57' 59.4877" | E 77° 58' 48.3888"                       |                                                                                                                                                                                                                                                                                                                                                                                 |                    |                    |                    |                    |                    |                    |                    |                    |
| N 13° 57' 58.3445" | E 77° 58' 51.8579"                       |                                                                                                                                                                                                                                                                                                                                                                                 |                    |                    |                    |                    |                    |                    |                    |                    |
| 3                  | Type Of Mineral                          | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                           |                    |                    |                    |                    |                    |                    |                    |                    |
| 4                  | New/Expansion/Modification/ Renewal      | Renewal                                                                                                                                                                                                                                                                                                                                                                         |                    |                    |                    |                    |                    |                    |                    |                    |

|    |                                                                                                                                                    |                                                                 |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 5  | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                           | Government                                                      |
| 6  | Area in Acres                                                                                                                                      | 0-24 Acres                                                      |
| 7  | Annual Production (Metric Ton / Cum) Per Annum                                                                                                     | 4,734 Tones/ Annum (including waste)                            |
| 8  | Project Cost (Rs. In Crores)                                                                                                                       | Rs. 0.12 Crores (Rs.12 Lakhs)                                   |
| 9  | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                        | 48,665 Tones (including waste)                                  |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                          | 4,261 Tones / Annum (excluding waste)                           |
| 11 | CER Activities: Propose take up 100 No. of additional plantation on either side of the approach road from quarry location to Belluru Village Road. |                                                                 |
| 12 | EMP Budget                                                                                                                                         | Rs. 6.40 lakhs (Capital Cost) & Rs. 2.00 lakhs (Recurring cost) |
| 13 | Forest NOC                                                                                                                                         | 29.01.2024                                                      |
| 14 | Quarry plan                                                                                                                                        | 29.04.2024 (Manual)                                             |
| 15 | Cluster certificate                                                                                                                                | 22.04.2024                                                      |
| 16 | Audit Report                                                                                                                                       | 02.04.2024                                                      |

The Proponent informed the Committee that the proposal is for renewal of a lease which was granted earlier on 23.07.2002 with QL No. 365 which has been non-operational since 2007-08 till date and justified the same as per the audit report issued by DMG dated 02.04.2024.

For the existing leases, based on the applicability of cut off dates as per clause 3 of 233<sup>rd</sup> SEIAA meeting dated 18.04.2023, Proponent informed that they had not carried out any mining activity after 2007-08 till date and no environmental damage has been caused and requested the Committee not to consider the proposal under violation category.

The Committee after discussion, decided to consider the proposal based on the DMG audit report, informing that no mining activity had been carried out since 2007-08 till date, implying that there was no environmental damage/pollution and opined that as an environmental Committee, violation should be ascertained based on the damage caused to the environment and not on the procedural lapses and decided to request SEIAA to consider the deliberations of the Committee in this proposal, while handling violation cases in respect of existing lease as there is no requirement for Damage Assessment, Remedial Plan and Community Augmentation Plan.

There is an existing cart track road to a length of 560 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphaltting the approach road to the quarry and the road connecting the crusher as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 48,665 Tones (including waste) and estimated the life of mine to be 11 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 4,734 Tons / Annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.

2. To grow trees all along the approach road& buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.14 Laterite Stone Quarry Project at Puttige Village, Mudabidri Taluk, Dakshina Kannada District (5.00 Acres) by Sri Prakash Sapaliga – Online Proposal No.SIA/KA/MIN/451466/2023 (SEIAA 86 MIN 2024)**

**About the project:**

| Sl.No             | PARTICULARS                                                                                                                                        | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1                 | Name & Address of the Projects Proponent                                                                                                           | Sri Prakash Sapaliga                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 2                 | Name & Location of the Project                                                                                                                     | Laterite Stone Quarry Project at Sy.Nos.579/2 & 607/2 of Puttige Village, Mudabidri Taluk, Dakshina Kannada District (5.00 Acres) <table><tr><td>N13° 05' 57.8999"</td><td>E74° 57' 31.1001"</td></tr><tr><td>N13° 05' 51.4741"</td><td>E74° 57' 33.3219"</td></tr><tr><td>N13° 05' 52.0770"</td><td>E74° 57' 32.7059"</td></tr><tr><td>N13° 05' 51.9479"</td><td>E74° 57' 30.9420"</td></tr><tr><td>N13° 05' 54.1032"</td><td>E74° 57' 30.5829"</td></tr><tr><td>N13° 05' 52.9921"</td><td>E74° 57' 25.7192"</td></tr><tr><td>N13° 05' 54.6600"</td><td>E74° 57' 25.4521"</td></tr></table> | N13° 05' 57.8999" | E74° 57' 31.1001" | N13° 05' 51.4741" | E74° 57' 33.3219" | N13° 05' 52.0770" | E74° 57' 32.7059" | N13° 05' 51.9479" | E74° 57' 30.9420" | N13° 05' 54.1032" | E74° 57' 30.5829" | N13° 05' 52.9921" | E74° 57' 25.7192" | N13° 05' 54.6600" | E74° 57' 25.4521" |
| N13° 05' 57.8999" | E74° 57' 31.1001"                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N13° 05' 51.4741" | E74° 57' 33.3219"                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N13° 05' 52.0770" | E74° 57' 32.7059"                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N13° 05' 51.9479" | E74° 57' 30.9420"                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N13° 05' 54.1032" | E74° 57' 30.5829"                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N13° 05' 52.9921" | E74° 57' 25.7192"                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N13° 05' 54.6600" | E74° 57' 25.4521"                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 3                 | Type Of Mineral                                                                                                                                    | Laterite Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 4                 | New/Expansion/Modification/ Renewal                                                                                                                | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 5                 | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                           | Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 6                 | Area in Acres                                                                                                                                      | 5-00 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 7                 | Annual Production (Metric Ton / Cum) Per Annum                                                                                                     | 3,37,500 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 8                 | Project Cost (Rs. In Crores)                                                                                                                       | Rs. 0.40 Crores (Rs.40 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 9                 | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                        | 22,83,854Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 10                | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                          | 2,70,000 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 11                | CER Activities: Propose take up 500 No. of additional plantation on either side of the approach road from quarry location to Puttige Village Road. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 12                | EMP Budget                                                                                                                                         | Rs. 14.85 lakhs (Capital Cost) & Rs. 5.57 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 13                | Forest NOC                                                                                                                                         | 03.06.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 14                | Quarry plan                                                                                                                                        | 04.11.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 15                | Cluster certificate                                                                                                                                | 04.11.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 16                | Notification                                                                                                                                       | 31.10.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 17                | Revenue                                                                                                                                            | 02.12.2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 18                | DTF                                                                                                                                                | 04.10.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that no mining has been carried out by Proponent and the proposed project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there is one lease in a radius of 500 mtrs from the applied lease, and the total area of the leases including the applied lease is 9-89 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 300 meters connecting the lease area to the all-weather black topped road. The Committee informed that the mining operation should be commenced after asphaltting the approach road to the quarry and road connecting the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 22,83,854 Tons (including waste) and estimated the life of the quarry to be 7 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 3,37,500 Tones/ Annum (including waste), with following consideration,

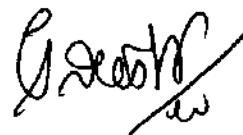
1. To asphalt the approach road to the quarry as per standard norms.
2. To grow trees all along the approach road & buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.15 Building Stone Quarry project at Halasagara Village, Kudligi Taluk, Vijayanagara District (10-00 Acres) by Sri Sudakara B – Online Proposal No.SIA/KA/MIN/478521/2024 (SEIAA 524 MIN 2022)**

**About the project:**

| Sl.No | PARTICULARS                              | INFORMATION PROVIDED BY PP                                                                                          |
|-------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 1     | Name & Address of the Projects Proponent | Sri Sudakara B                                                                                                      |
| 2     | Name & Location of the Project           | Building Stone Quarry project at Sy.No.86 of Halasagara Village, Kudligi Taluk, Vijayanagara District (10-00 Acres) |



|    |                                                                                                                                                      |                                                                   |                |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------|
|    |                                                                                                                                                      | N 14°49'51.83"                                                    | E 76°43'23.12" |
|    |                                                                                                                                                      | N 14°49'50.01"                                                    | E 76°43'30.82" |
|    |                                                                                                                                                      | N 14°49'44.80"                                                    | E 76°43'32.65" |
|    |                                                                                                                                                      | N 14°49'46.37"                                                    | E 76°43'23.24" |
| 3  | Type Of Mineral                                                                                                                                      | Building Stone Quarry                                             |                |
| 4  | New/Expansion/Modification/Renewal                                                                                                                   | New                                                               |                |
| 5  | Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]                                                                               | Government                                                        |                |
| 6  | Area in Acres                                                                                                                                        | 10-00 Acres                                                       |                |
| 7  | Annual Production (Metric Ton / Cum) Per Annum                                                                                                       | 3,33,547 Tones/ Annum (including waste)                           |                |
| 8  | Project Cost (Rs. In Crores)                                                                                                                         | Rs. 0.80 Crores (Rs. 80 Lakhs)                                    |                |
| 9  | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                          | 51,09,165 Tones (including waste)                                 |                |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                            | 3,00,192 Tones / Annum (excluding waste)                          |                |
| 11 | CER Activities:Propose take up 1000 No. of additional plantation on either side of the approach road from quarry location to Halasagara Village Road |                                                                   |                |
| 12 | EMP Budget                                                                                                                                           | Rs. 26.50 Lakhs (Capital Cost) & Rs. 11.06 Lakhs (Recurring cost) |                |
| 13 | Forest NOC                                                                                                                                           | 19.08.2021                                                        |                |
| 14 | Quarry plan                                                                                                                                          | 03.11.2022                                                        |                |
| 15 | Cluster certificate                                                                                                                                  | 01.07.2024                                                        |                |
| 16 | Revenue NOC                                                                                                                                          | 08.08.2020                                                        |                |
| 17 | Notification                                                                                                                                         | 09.11.2022                                                        |                |
| 18 | DTF                                                                                                                                                  | 30.05.2022                                                        |                |
| 19 | PCCF distance letter                                                                                                                                 | 02.02.2024                                                        |                |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the proposed area is a Government land and no mining has been carried out by Proponent and informed that the proposed project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there are three leases in a radius of 500 mtr from the said lease and all the three leases are only notified and the area of the applied lease is 10-00 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 430meters connecting the lease area to the all-weather black topped road. The Committee informed that the mining operation should be commenced after asphaltting the approach road to the quarry and road connecting the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 51,09,165 Tons (including waste) and estimated the life of the quarry to be 16 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 3,33,547 Tons/year (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road & buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.1.16 Building Stone (M-Sand) Quarry Project at Makarahalli Village, Malur Taluk, Kolar District (5-00 Acres) by M/s. Y. S. R. Enterprises Prop: Sri. R. Sathish – Online Proposal No.SIA/KA/MIN/481054/2024 (SEIAA 93 MIN 2024)**

**About the project:**

| Sl.No            | PARTICULARS                                                                                                                                           | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 1                | Name & Address of the Projects Proponent                                                                                                              | M/s. Y. S. R. Enterprises Prop: Sri. R. Sathish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 2                | Name & Location of the Project                                                                                                                        | Building Stone (M-Sand) Quarry Project at Sy.No.185 of Makarahalli Village, Malur Taluk, Kolar District (5-00 Acres) <table><tr><td>N 12° 58' 54.02"</td><td>E 78° 06' 10.60"</td></tr><tr><td>N 12° 58' 46.76"</td><td>E 78° 06' 09.62"</td></tr><tr><td>N 12° 58' 47.33"</td><td>E 78° 06' 05.70"</td></tr><tr><td>N 12° 58' 48.21"</td><td>E 78° 06' 05.76"</td></tr><tr><td>N 12° 58' 48.36"</td><td>E 78° 06' 07.75"</td></tr><tr><td>N 12° 58' 52.95"</td><td>E 78° 06' 07.92"</td></tr><tr><td>N 12° 58' 52.05"</td><td>E 78° 06' 06.11"</td></tr><tr><td>N 12° 58' 53.38"</td><td>E 78° 06' 06.16"</td></tr><tr><td>N 12° 58' 54.44"</td><td>E 78° 06' 07.74"</td></tr></table> | N 12° 58' 54.02" | E 78° 06' 10.60" | N 12° 58' 46.76" | E 78° 06' 09.62" | N 12° 58' 47.33" | E 78° 06' 05.70" | N 12° 58' 48.21" | E 78° 06' 05.76" | N 12° 58' 48.36" | E 78° 06' 07.75" | N 12° 58' 52.95" | E 78° 06' 07.92" | N 12° 58' 52.05" | E 78° 06' 06.11" | N 12° 58' 53.38" | E 78° 06' 06.16" | N 12° 58' 54.44" | E 78° 06' 07.74" |
| N 12° 58' 54.02" | E 78° 06' 10.60"                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 12° 58' 46.76" | E 78° 06' 09.62"                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 12° 58' 47.33" | E 78° 06' 05.70"                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 12° 58' 48.21" | E 78° 06' 05.76"                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 12° 58' 48.36" | E 78° 06' 07.75"                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 12° 58' 52.95" | E 78° 06' 07.92"                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 12° 58' 52.05" | E 78° 06' 06.11"                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 12° 58' 53.38" | E 78° 06' 06.16"                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 12° 58' 54.44" | E 78° 06' 07.74"                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 3                | Type Of Mineral                                                                                                                                       | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 4                | New/Expansion/Modification/ Renewal                                                                                                                   | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 5                | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                              | Gomal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 6                | Area in Acres                                                                                                                                         | 5-00 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 7                | Annual Production (Metric Ton / Cum) Per Annum                                                                                                        | 5,23,895 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 8                | Project Cost (Rs. In Crores)                                                                                                                          | Rs. 0.40 Crores (Rs.40 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 9                | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                           | 25,81,608 Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 10               | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                             | 5,13,418 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 11               | CER Activities: Propose take up 500 No. of additional plantation on either side of the approach road from quarry location to Makarahalli Village Road |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 12               | EMP Budget                                                                                                                                            | Rs. 19.10 lakhs (Capital Cost) & Rs. 6.22 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 13               | Forest NOC                                                                                                                                            | 20.08.2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 14               | Quarry plan                                                                                                                                           | 19.12.2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

|    |                     |            |
|----|---------------------|------------|
| 15 | Cluster certificate | 29.05.2024 |
| 16 | Notification        | 05.05.2018 |
| 17 | Revenue             | 01.03.2019 |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the proposed area is a Govt. land and no mining has since been carried out by Proponent till date and the proposed project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there are four leases in a radius of 500 mtr from the said lease and three leases are exempted from cluster as the leases were granted prior to 09.09.2013 and the total area of the leases including the applied lease is 9-00 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 900 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphaltting the approach road to the quarry as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 25,81,608 Tones (including waste) and estimated the life of mine to be 5 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 5,23,895 Tones/ Annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road & buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.1.17 Ordinary Sand Mining Project at Tarivala Village, Ilkal Taluk, Bagalkot District (7-33 Acres) (3.165 Hectares) by Sri Bhojappa Rathod, S/o Seetappa – Online Proposal No. SIA/KA/MIN/482855/2024 (SEIAA 92 MIN 2024)**

**About the project:**

| Sl.No | PARTICULARS                              | INFORMATION PROVIDED BY PROONENT                                                                                                     |
|-------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Name & Address of the Projects Proponent | Sri Bhojappa Rathod, S/o Seetappa                                                                                                    |
| 2     | Name & Location of the Project           | Ordinary Sand Mining Project at Sy.Nos.93/1 & 93/2 of Tarivala Village, Ilkal Taluk, Bagalkot District (7-33 Acres) (3.165 Hectares) |

|                 |                                                                                                                                                                                                                                                                                                                                                                                        | N 16° 02' 29.9"                                                                                                                     | E 76° 09' 18.3"                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------|----------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------|-----------------|--|--|
|                 |                                                                                                                                                                                                                                                                                                                                                                                        | N 16° 02' 33.2"                                                                                                                     | E 76° 09' 17.7"                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                        | N 16° 02' 33.8"                                                                                                                     | E 76° 09' 19.2"                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                        | N 16° 02' 33.8"                                                                                                                     | E 76° 09' 27.4"                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                        | N 16° 02' 30.3"                                                                                                                     | E 76° 09' 27.1"                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 3               | Type Of Mineral                                                                                                                                                                                                                                                                                                                                                                        | Ordinary Sand Quarry                                                                                                                |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 4               | New/Expansion/Modification/Renewal                                                                                                                                                                                                                                                                                                                                                     | New                                                                                                                                 |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 5               | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                                                                                                                                                                                                                                                               | Patta                                                                                                                               |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 6               | Area in Acres                                                                                                                                                                                                                                                                                                                                                                          | 7-33 Acres (3.165 Hectares)                                                                                                         |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 7               | Annual Production (Metric Ton / Cum) Per Annum                                                                                                                                                                                                                                                                                                                                         | 63,000 tons for 1 <sup>st</sup> year, 40,000 tons for 2 <sup>nd</sup> year & 30,386 tons for 3 <sup>rd</sup> year (including waste) |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 8               | Project Cost (Rs. In Crores)                                                                                                                                                                                                                                                                                                                                                           | Rs. 1.29 Crores (Rs. 129 Lakhs)                                                                                                     |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 9               | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                                                                                                                                                                                                                                                            | 1,33,386 Tones (including waste)                                                                                                    |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 10              | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                                                                                                                                                                                                                                              | 63,000 tons for 1 <sup>st</sup> year, 40,000 tons for 2 <sup>nd</sup> year & 30,386 tons for 3 <sup>rd</sup> year (including waste) |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 11              | CER Activities:                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                     |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
|                 | <table><tr><th>Year</th><th>Corporate Environmental Responsibility (CER)</th></tr><tr><td>1<sup>st</sup></td><td>Providing solar power panels to common public places to the GHPS school at Tarivala Village.</td></tr><tr><td>2<sup>nd</sup></td><td rowspan="2">Rain water harvesting pits to the GHPS school at Tarivala Village.</td></tr><tr><td>3<sup>rd</sup></td></tr></table> | Year                                                                                                                                | Corporate Environmental Responsibility (CER) | 1 <sup>st</sup> | Providing solar power panels to common public places to the GHPS school at Tarivala Village. | 2 <sup>nd</sup> | Rain water harvesting pits to the GHPS school at Tarivala Village. | 3 <sup>rd</sup> |  |  |
| Year            | Corporate Environmental Responsibility (CER)                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                     |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 1 <sup>st</sup> | Providing solar power panels to common public places to the GHPS school at Tarivala Village.                                                                                                                                                                                                                                                                                           |                                                                                                                                     |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 2 <sup>nd</sup> | Rain water harvesting pits to the GHPS school at Tarivala Village.                                                                                                                                                                                                                                                                                                                     |                                                                                                                                     |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 3 <sup>rd</sup> |                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                     |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 12              | EMP Budget                                                                                                                                                                                                                                                                                                                                                                             | Rs. 43.48 Lakhs (Capital Cost) & Rs. 9.59 lakhs (Recurring cost)                                                                    |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 13              | Forest NOC                                                                                                                                                                                                                                                                                                                                                                             | 19.12.2022                                                                                                                          |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 14              | Cluster certificate                                                                                                                                                                                                                                                                                                                                                                    | 10.10.2023                                                                                                                          |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 15              | Revenue NOC                                                                                                                                                                                                                                                                                                                                                                            | 24.11.2022                                                                                                                          |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 16              | DTF                                                                                                                                                                                                                                                                                                                                                                                    | 11.09.2023                                                                                                                          |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 17              | Approved by Quarry Plan                                                                                                                                                                                                                                                                                                                                                                | 12.10.2023                                                                                                                          |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |
| 18              | JIR                                                                                                                                                                                                                                                                                                                                                                                    | 09.12.2022                                                                                                                          |                                              |                 |                                                                                              |                 |                                                                    |                 |  |  |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the proposed area is fresh land and no mining has been carried out by Proponent. The Committee noted the clarification and appraised the project.

As per the cluster sketch there is no lease in a radius of 500 mtr from the said lease and the total area of the present lease is 7-33 Acres and hence the project is categorized as B2. Proponent informed that as per DMG report dated 09.12.2022, there is no river sand mining in a radius of 5 km from the proposed site area.

There is an existing cart track road to a length of 982 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphaltting the approach road to the quarry as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 1,33,386Tones (including waste) and estimated the life of mine to be 3 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production 63,000 tons for 1<sup>st</sup> year, 40,000 tons for 2<sup>nd</sup> year & 30,386 tons for 3<sup>rd</sup> year (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road& buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
- 6.To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.18 Pink Granite Quarry Project at Sy.No.2/1+2/A of Gudur Village, Ilkal Taluk, Bagalkot District (4-30 Acres) by Sri Vijayanand S. Kashappanavar – Online Proposal No.SIA/KA/MIN/482914/2024 (SEIAA 668 MIN 2021)**

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that earlier quarrying was carried out prior to 2012 and no mining has been carried out by Proponent and justified that the proposed project does not attract violation. The Committee noted the clarification and appraised the project.

The proposal is for pink granite quarry for which SEIAA had issued ToR on 10.02.2022 and public hearing was conducted on 02.12.2023, where opinion/request of five people had been recorded in public hearing report.

The Committee during appraisal noted that the discrepancy in the KML polygon and proposed area in quarry plan. Hence, the Committee after discussion decided to defer the proposal and informed the Proponent to obtain the revised quarry plan as per the approved coordinates with details of old workings in the surface plan and details of present site condition from DMG.

**Action: Member Secretary, SEAC to put up before SEAC in up coming meeting.**

**314.1.19 Extraction of Building Stone Project at Chikkanagavalli Village, Chikkaballapura Taluk, Chikkaballapura District (Q.L. No. 296) (1-20 Acres) by Smt. M. Jyothi Shet – Online Proposal No.SIA/KA/MIN/480376/2024 (SEIAA 91 MIN 2024)**

**About the project:**

| Sl.No | PARTICULARS                              | INFORMATION PROVIDED BY PP                                                                                                                               |
|-------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Name & Address of the Projects Proponent | Smt. M. Jyothi Shet                                                                                                                                      |
| 2     | Name & Location of the Project           | Extraction of Building Stone Project at Sy.No.43 of Chikkanagavalli Village, Chikkaballapura Taluk, Chikkaballapura District (Q.L. No. 296) (1-20 Acres) |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N 13° 36' 17.3996"                                               | E 77° 45' 59.8002" |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------|------|----------------------------------------------|-----|------------------------------------------------------------------------|-----|---------------------------------------------------------------|-----|----------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------|
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N 13° 36' 17.2003"                                               | E 77° 46' 00.9004" |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N 13° 36' 16.5994"                                               | E 77° 46' 00.8005" |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N 13° 36' 16.2004"                                               | E 77° 46' 02.4002" |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N 13° 36' 15.9004"                                               | E 77° 46' 05.1003" |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N 13° 36' 14.7993"                                               | E 77° 46' 04.8003" |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N 13° 36' 15.6998"                                               | E 77° 46' 59.4002" |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 3    | Type Of Mineral                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Building Stone Quarry                                            |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 4    | New/Expansion/Modification/ Renewal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Expansion                                                        |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 5    | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Government                                                       |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 6    | Area in Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1-20 Acres                                                       |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 7    | Annual Production (Metric Ton / Cum) Per Annum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2,10,526 Tones/ Annum (including waste)                          |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 8    | Project Cost (Rs. In Crores)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Rs. 1.38 Crores (Rs.138 Lakhs)                                   |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 9    | Proved Quantity of mine/ Quarry-Cu.m / Ton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10,52,632Tones (including waste)                                 |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 10   | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2,00,000 Tones / Annum (excluding waste)                         |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 11   | CER Activities: <table><tr><th>Year</th><th>Corporate Environmental Responsibility (CER)</th></tr><tr><td>1st</td><td>Providing solar power panels to GLPS school at Chikkanagavalli Village</td></tr><tr><td>2nd</td><td>Rain water harvesting pits to GLPS at Chikkanagavalli Village</td></tr><tr><td>3rd</td><td>Scientific support and awareness to local farmers to increase yield of crop and fodder</td></tr><tr><td>4th</td><td>Avenue plantation either side of the approach road near Quarry site &amp; Repair of road With drainages</td></tr><tr><td>5th</td><td>Health camp in GLPS school at Chikkanagavalli Village</td></tr></table> |                                                                  |                    | Year | Corporate Environmental Responsibility (CER) | 1st | Providing solar power panels to GLPS school at Chikkanagavalli Village | 2nd | Rain water harvesting pits to GLPS at Chikkanagavalli Village | 3rd | Scientific support and awareness to local farmers to increase yield of crop and fodder | 4th | Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages | 5th | Health camp in GLPS school at Chikkanagavalli Village |
| Year | Corporate Environmental Responsibility (CER)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 1st  | Providing solar power panels to GLPS school at Chikkanagavalli Village                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 2nd  | Rain water harvesting pits to GLPS at Chikkanagavalli Village                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 3rd  | Scientific support and awareness to local farmers to increase yield of crop and fodder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 4th  | Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 5th  | Health camp in GLPS school at Chikkanagavalli Village                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 12   | EMP Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Rs. 16.83 lakhs (Capital Cost) & Rs. 8.86 lakhs (Recurring cost) |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 13   | Forest NOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 14.09.2015                                                       |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 14   | Quarry plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 03.11.2023                                                       |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |
| 15   | Cluster certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 31.05.2024                                                       |                    |      |                                              |     |                                                                        |     |                                                               |     |                                                                                        |     |                                                                                                     |     |                                                       |

The proposal is for expansion for which EC was issued earlier by SEIAA on 31.05.2023 and lease was in granted on 31.05.2023 with QL No. 296 The Proponent informed the Committee that after the grant of lease they have not carried out quarrying activities till date and informed that as per DMG audit report dated 31.05.2024, quarry is not operational after the grant of lease till date and justified for not having submitted CCR.

There is an existing cart track road to a length of 160meters connecting lease area to the all-weather black topped road. The Committee informed that the proposed expansion in quantity should be commenced after asphaltting the approach road to the quarry & the road connecting the crusher as per IRC standard norms and to grow trees all along the approach road, for which the Proponent agreed.

The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 10,52,632 tonns (including waste) and estimated the life of mine to be 10 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production 2,10,526 tonns/annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road& buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.20 Grey Granite Quarrying Project at Idalahonda Village, Khanapur Taluk, Belagavi District (4-00 Acres) by M/s. N. K. Enterprises, Managing Partner: Shri Vidyadhar V – Online Proposal No.SIA/KA/MIN/481996/2024 (SEIAA 90 MIN 2024)**

**About the project:**

| Sl.No.            | PARTICULARS                                                            | INFORMATION PROVIDED BY PROPONENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1                 | Name & Address of the Projects Proponent                               | M/s. N. K. Enterprises                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 2                 | Name & Location of the Project                                         | Grey Granite Quarrying Project at Sy.No.89/* /2 of Idalahonda Village, Khanapur Taluk, Belagavi District (4-00 Acres) <table><tr><td>N15° 42' 27.9214"</td><td>E74° 30' 55.2139"</td></tr><tr><td>N15° 42' 28.0542"</td><td>E74° 30' 55.9597"</td></tr><tr><td>N15° 42' 28.0662"</td><td>E74° 30' 57.8055"</td></tr><tr><td>N15° 42' 35.8029"</td><td>E74° 30' 53.5524"</td></tr><tr><td>N15° 42' 34.4331"</td><td>E74° 30' 52.5153"</td></tr><tr><td>N15° 42' 33.9020"</td><td>E74° 30' 52.0292"</td></tr></table> | N15° 42' 27.9214" | E74° 30' 55.2139" | N15° 42' 28.0542" | E74° 30' 55.9597" | N15° 42' 28.0662" | E74° 30' 57.8055" | N15° 42' 35.8029" | E74° 30' 53.5524" | N15° 42' 34.4331" | E74° 30' 52.5153" | N15° 42' 33.9020" | E74° 30' 52.0292" |
| N15° 42' 27.9214" | E74° 30' 55.2139"                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N15° 42' 28.0542" | E74° 30' 55.9597"                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N15° 42' 28.0662" | E74° 30' 57.8055"                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N15° 42' 35.8029" | E74° 30' 53.5524"                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N15° 42' 34.4331" | E74° 30' 52.5153"                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| N15° 42' 33.9020" | E74° 30' 52.0292"                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 3                 | Type Of Mineral                                                        | Grey Granite Quarry Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 4                 | New/Expansion/Modification/ Renewal                                    | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 5                 | Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other] | Patta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 6                 | Area in Acres                                                          | 4-00 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 7                 | Annual Production (Metric Ton / Cum)                                   | 8,571 Cum/annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |

|    |                                                                                                                                                       |                                                                  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|    | Per Annum                                                                                                                                             |                                                                  |
| 8  | Project Cost (Rs. In Crores)                                                                                                                          | Rs. 0.45 Crores (Rs.45 Lakhs)                                    |
| 9  | Proved Quantity of mine/ Quarry-Cu.m/ Ton                                                                                                             | 3,00,294Cum (including waste)                                    |
| 10 | Permitted Quantity Per Annum-Cu.m/Ton                                                                                                                 | 3,000Cum /annum(Recovery)                                        |
| 11 | CER Activities: Propose take up 400 No. of additional plantation on either side of the approach road from quarry location to Idalahonda Village Road. |                                                                  |
| 12 | EMP Budget                                                                                                                                            | Rs. 15.50 lakhs (Capital Cost) & Rs. 5.18 lakhs (Recurring cost) |
| 13 | Quarry plan                                                                                                                                           | 14.06.2024                                                       |
| 14 | Cluster certificate                                                                                                                                   | 14.06.2024                                                       |
| 15 | Forest NoC                                                                                                                                            | 05.09.2024                                                       |
| 16 | Revenue NOC                                                                                                                                           | 28.02.2024                                                       |
| 17 | Notification                                                                                                                                          | 28.05.2024                                                       |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the proposed area is fresh land and no mining has been carried out by Proponent. The Committee noted the clarification and appraised the project.

As per the cluster sketch there is no lease in a radius of 500 mtr from the said lease and the total area of the present lease is 4-00 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 1400 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphaltting the approach road to the quarry as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

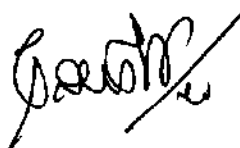
The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 3,00,294cum(including waste) and estimated the life of mine to be coterminus with lease period.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production 8,571 Cum/annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road& buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
7. To handle waste by obtaining necessary permission.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.21 Upgradation & Beautification of Brindavan Garden at Krishna Raja Sagara Reservoir located at Hongahalli Village, Belagola Hobli, Srirangapatna Taluk and Chikkayarahalli Village, Chinakurali Hobli, Pandavapura Taluk of Mandya District by Assistant Executive Engineer, Cauvery Neeravari Nigam Limited – Online Proposal No.SIA/KA/INFRA2/465856/2024 (SEIAA 202 CON 2023)**

**About the project:**

| Sl.No. | Particulars                                                                                                             | Information Provided by Proponent                                                                                                                                                                                                                                                                                                                                                                          |
|--------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent                                                                                 | Mr. Farooq Ahmed Abu, Assistant Executive Engineer, CNNL, No. 01 (M) Sub Division, Krishnarajasagara, Srirangapatna Taluk, Mandya District- 571607                                                                                                                                                                                                                                                         |
| 2      | Name & Location of the Project                                                                                          | Upgradation & Beautification of Brindavan Garden at Krishna Raja Sagara Reservoir located at Sy. Nos. 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 254, 255, 256, 258, 259, 260, 291 of Hongahalli Village, Belagola Hobli, Srirangapatna Taluk and Sy. Nos. 98, 99, 100, 103, 143, 144, 145, 146, 147, 148 of Chikkayarahalli Village, Chinakurali Hobli, Pandavapura Taluk of Mandya District. |
| 3      | Type of Development                                                                                                     | Built-up Area of the project is 5,91,180.02 Sq. m. which is >1,50,000 Sq. mt. or covers an area of >50 Ha; hence, the proposed activity falls under schedule 8(b) Townships and Area Development Project and categorized as B1 and requires environmental clearance from SEIAA, Karnataka                                                                                                                  |
|        | a. Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Other.Upgradation & Beautification of existing Brindavan Garden to a world class tourism development by conserving the Heritage of Mysore and KRS Dam.                                                                                                                                                                                                                                                     |
|        | b. Residential Township/ Area Development Projects                                                                      | 8(b) - Townships and Area Development Project                                                                                                                                                                                                                                                                                                                                                              |
|        | c. Zoning Classification                                                                                                | Not applicable                                                                                                                                                                                                                                                                                                                                                                                             |
| 4      | New/ Expansion/ Modification/ Renewal                                                                                   | New                                                                                                                                                                                                                                                                                                                                                                                                        |
| 5      | Water Bodies/ Nalas in the vicinity of project site                                                                     | Cauvery River within project site<br>Lake near Chikkayarahalli - 0.63 Km, NE                                                                                                                                                                                                                                                                                                                               |
| 6      | Plot Area (Sqm)                                                                                                         | 198 Acres (8,01,279.9715 Sq. mt.)                                                                                                                                                                                                                                                                                                                                                                          |
| 7      | Built Up area (Sqm)                                                                                                     | 5,91,180.02 Sq. m                                                                                                                                                                                                                                                                                                                                                                                          |
| 8      | FAR<br>Permissible<br>Proposed                                                                                          | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                            |

|    |                                                                                                             |                                                                                                                                                                                                                 |                   |            |            |       |
|----|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|------------|-------|
| 9  | Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | Not applicable                                                                                                                                                                                                  |                   |            |            |       |
| 10 | Number of units/plots in case of Construction/Residential Township /Area Development Projects               | Area development project, Upgradation & Beautification of Brindavan Garden at Krishna Raja Sagara Reservoir                                                                                                     |                   |            |            |       |
| 11 | Height Clearance                                                                                            | Not applicable                                                                                                                                                                                                  |                   |            |            |       |
| 12 | Project Cost (Rs. In Crores)                                                                                | Rs. 1650 crores                                                                                                                                                                                                 |                   |            |            |       |
| 13 | Quantity excavated earth & its management                                                                   | The quantity of excavated earth material (2,47,275 Cum) as estimated will be reused / recycled for back filling / sub base work for roads & pavements and landscape & parks development within the project site |                   |            |            |       |
| 14 | Details of Land Use (Sqm)                                                                                   |                                                                                                                                                                                                                 |                   |            |            |       |
| a. | Ground Coverage Area                                                                                        | Not applicable.                                                                                                                                                                                                 |                   |            |            |       |
| b. | Kharab Land                                                                                                 | -                                                                                                                                                                                                               |                   |            |            |       |
| c. | Total Green belt on Mother Earth                                                                            | Particulars                                                                                                                                                                                                     | Sq.mt.            | Acr es     | Gunt as    | %     |
| d. | Internal Roads                                                                                              | Landscape area (green area)                                                                                                                                                                                     | 2,97,411.22<br>17 | 73.0<br>0  | 19.60      | 37.12 |
| e. | Paved area                                                                                                  |                                                                                                                                                                                                                 |                   |            |            |       |
| f. | Others Specify                                                                                              |                                                                                                                                                                                                                 |                   |            |            |       |
| g. | Parks and Open space in case of Residential Township/ Area Development Projects                             | Hardscape area & pavement area                                                                                                                                                                                  | 1,20,570.53<br>18 | 29.0<br>0  | 31.60      | 15.05 |
| h. | Total                                                                                                       | Water body                                                                                                                                                                                                      | 15,978.522        | 3.00       | 38.00      | 1.99  |
|    |                                                                                                             | River area                                                                                                                                                                                                      | 2,62,920.80<br>17 | 64.0<br>0  | 38.80      | 32.81 |
|    |                                                                                                             | Road area                                                                                                                                                                                                       | 73,132.9173       | 18.0<br>0  | 2.80       | 9.13  |
|    |                                                                                                             | Building area (Ground coverage)                                                                                                                                                                                 | 31,265.977        | 7.00       | 29.20      | 3.90  |
|    |                                                                                                             |                                                                                                                                                                                                                 | 8,01,279.97<br>15 | 194.<br>00 | 160.0<br>0 | 100   |
|    |                                                                                                             | Say 8,01,279.97 Sq. mt. or 198 Acres                                                                                                                                                                            |                   |            |            |       |
| 15 | WATER                                                                                                       |                                                                                                                                                                                                                 |                   |            |            |       |
| I. | Construction Phase                                                                                          |                                                                                                                                                                                                                 |                   |            |            |       |
| a. | Source of water                                                                                             | Cauvery River                                                                                                                                                                                                   |                   |            |            |       |
| b. | Quantity of water for Construction in KLD                                                                   | 2960 KLD                                                                                                                                                                                                        |                   |            |            |       |
| c. | Quantity of water for Domestic Purpose in KLD                                                               | 27 KLD                                                                                                                                                                                                          |                   |            |            |       |

|          |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |          |          |         |       |          |
|----------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|----------|---------|-------|----------|
| d.       | Waste water generation in KLD                                           | 24 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |          |          |         |       |          |
| e.       | Treatment facility proposed and scheme of disposal of treated water     | Mobile STP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |          |          |         |       |          |
| II.      | Operational Phase                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |          |          |         |       |          |
|          |                                                                         | <table><tr><td>Fresh</td><td>5488 KLD</td></tr><tr><td>Recycled</td><td>261 KLD</td></tr><tr><td>Total</td><td>5749 KLD</td></tr></table>                                                                                                                                                                                                                                                                                                                                                       | Fresh | 5488 KLD | Recycled | 261 KLD | Total | 5749 KLD |
| Fresh    | 5488 KLD                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |          |          |         |       |          |
| Recycled | 261 KLD                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |          |          |         |       |          |
| Total    | 5749 KLD                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |          |          |         |       |          |
| b.       | Source of water                                                         | Cauvery River                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |          |          |         |       |          |
| c.       | Wastewater generation in KLD                                            | 290 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |          |          |         |       |          |
| d.       | STP capacity and Area required                                          | 4x80 KLD (320 KLD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |          |          |         |       |          |
| e.       | Technology employed for Treatment                                       | SBR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |          |          |         |       |          |
| f.       | Scheme of disposal of excess treated water if any                       | Domestic (flushing), Water fountain and Landscape purposes.                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |          |          |         |       |          |
| 16       | Infrastructure for Rain water harvesting                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |          |          |         |       |          |
| a.       | Capacity of sump/tank to store Roof & Hardscape/soft scape run off      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          |          |         |       |          |
| b.       | No's of Ground water recharge pits                                      | Project is covered with the sufficient natural drainage system, streams, river, canals which naturally improves the ground water quality. Therefore, rainwater harvesting system is not required.                                                                                                                                                                                                                                                                                               |       |          |          |         |       |          |
| 17       | Storm water management plan                                             | The storm water from garden, parking area, roadways and lawns are used for recharging of groundwater. Existing Storm water network will be utilized and upgraded as per requirement. Provision of sediment traps and silt traps will be made.                                                                                                                                                                                                                                                   |       |          |          |         |       |          |
| 18       | WASTE MANAGEMENT                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |          |          |         |       |          |
| I.       | Construction Phase                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |          |          |         |       |          |
| a.       | Quantity of Construction & Demolition waster and its management         | The existing few structures (Department of fisheries, Department of Horticulture, Office of the Chief Research Officer, Karnataka Engineering Research Station) will be shifted and hence, these structures will be demolished for the upgradation and beautification of Brindavan Garden. Construction and Demolition waste (1,18,810 Cum) will be generated and the same will be utilized within the project site for back filling / sub base work for roads & pavements within project site. |       |          |          |         |       |          |
| b.       | Quantity of Solid waste generation and mode of Disposal other than C&D. | Organic waste – 162 kg/day and inorganic waste – 108 kg/day from labour camps from workers rest area will be handed over to City Municipality for further treatment on daily basis.                                                                                                                                                                                                                                                                                                             |       |          |          |         |       |          |
| II.      | Operational Phase                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |          |          |         |       |          |

| a.                          | Quantity of Biodegradable waste generation and mode of Disposal as per norms<br>(Capacity of OWC & Area required)  | <table><tr><th>Type of waste</th><th>Source</th><th>Waste generated</th><th>Mode of disposal</th></tr><tr><td>A. Organic waste</td><td rowspan="4">Staff and Visitors at project site</td><td>1832.81 kg/day</td><td rowspan="4">Treated in Organic Waste Converter within Project site and used as manure for landscaping</td></tr><tr><td>B. Inorganic waste</td><td>916.40 kg/day</td></tr><tr><td>C. Plastic waste</td><td>305.48 kg/day</td></tr><tr><td>D. Biomedical waste</td><td>20 kg/month</td></tr><tr><td rowspan="4">d.</td><td rowspan="4">Quantity of E waste generation and mode of Disposal as per norms</td><td>E. e-waste</td><td rowspan="4">Handed over to KSPCB authorized recyclers</td></tr><tr><td>F. Battery waste</td><td>800 kg/A</td></tr><tr><td>G. Hazardous waste</td><td>500 kg/A</td></tr><tr><td></td><td>0.72 Kg/A</td></tr><tr><td></td><td></td><td>H. STP sludge</td><td>STP within project site</td><td>16 Kg/day</td><td>Used as manure for landscaping</td></tr></table> | Type of waste           | Source                                                                                    | Waste generated                | Mode of disposal | A. Organic waste | Staff and Visitors at project site | 1832.81 kg/day | Treated in Organic Waste Converter within Project site and used as manure for landscaping | B. Inorganic waste | 916.40 kg/day | C. Plastic waste | 305.48 kg/day | D. Biomedical waste         | 20 kg/month | d. | Quantity of E waste generation and mode of Disposal as per norms | E. e-waste | Handed over to KSPCB authorized recyclers | F. Battery waste | 800 kg/A | G. Hazardous waste | 500 kg/A |  | 0.72 Kg/A |  |  | H. STP sludge | STP within project site | 16 Kg/day | Used as manure for landscaping |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------|--------------------------------|------------------|------------------|------------------------------------|----------------|-------------------------------------------------------------------------------------------|--------------------|---------------|------------------|---------------|-----------------------------|-------------|----|------------------------------------------------------------------|------------|-------------------------------------------|------------------|----------|--------------------|----------|--|-----------|--|--|---------------|-------------------------|-----------|--------------------------------|
| Type of waste               | Source                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Waste generated         | Mode of disposal                                                                          |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| A. Organic waste            | Staff and Visitors at project site                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1832.81 kg/day          | Treated in Organic Waste Converter within Project site and used as manure for landscaping |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| B. Inorganic waste          |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 916.40 kg/day           |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| C. Plastic waste            |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 305.48 kg/day           |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| D. Biomedical waste         |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20 kg/month             |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| d.                          | Quantity of E waste generation and mode of Disposal as per norms                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | E. e-waste              | Handed over to KSPCB authorized recyclers                                                 |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
|                             |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | F. Battery waste        |                                                                                           | 800 kg/A                       |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
|                             |                                                                                                                    | G. Hazardous waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 500 kg/A                |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
|                             |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.72 Kg/A               |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
|                             |                                                                                                                    | H. STP sludge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | STP within project site | 16 Kg/day                                                                                 | Used as manure for landscaping |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| b.                          | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| c.                          | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
|                             |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
|                             |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
|                             |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
|                             |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
|                             |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| 19                          | POWER                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| a.                          | Total Power Requirement - Operational Phase                                                                        | Power requirement during operation phase:<br>99 KVA transformers (3 Nos. x 33 KVA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| b.                          | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 4 Nos. x 200 KVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| c.                          | Details of Fuel used for DG Set                                                                                    | High Speed Diesel (HSD) 0.05 % will be used for Diesel Generators                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| d.                          | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | Using solar energy in garden, solar energy significantly reduces the carbon footprint of botanical gardens, as it produces zero emissions during energy generation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| 20                          | PARKING                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| a.                          | Parking Requirement as per norms (ECS)                                                                             | 47633.19 Sq. m. has been allotted as parking spaces and details of parking spaces are as follows; <table><tr><td>Vehicle</td><td>Nos</td></tr><tr><td>2-wheeler</td><td>2300</td></tr><tr><td>4-wheeler</td><td>2590</td></tr><tr><td>Buses</td><td>75</td></tr><tr><td>Provision of parking spaces</td><td>4965</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |                                                                                           |                                |                  | Vehicle          | Nos                                | 2-wheeler      | 2300                                                                                      | 4-wheeler          | 2590          | Buses            | 75            | Provision of parking spaces | 4965        |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| Vehicle                     | Nos                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| 2-wheeler                   | 2300                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| 4-wheeler                   | 2590                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| Buses                       | 75                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| Provision of parking spaces | 4965                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |
| b.                          | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                                                                                           |                                |                  |                  |                                    |                |                                                                                           |                    |               |                  |               |                             |             |    |                                                                  |            |                                           |                  |          |                    |          |  |           |  |  |               |                         |           |                                |

|    |                                                 | Road                                 | Towards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing traffic scenario |     | Projected Vehicular growth for next two years |     | Modified V/C and LoS by adding generated traffic |     | Changed Scenario -1 (Road Widening) |     |
|----|-------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|-----------------------------------------------|-----|--------------------------------------------------|-----|-------------------------------------|-----|
|    |                                                 |                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | V/C                       | LoS | V/C                                           | LoS | V/C                                              | LoS | V/C                                 | LoS |
|    |                                                 | <u>Belagola - Srirangapatna Road</u> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.58                      | C   | 0.62                                          | D   | 0.72                                             | D   | No Change                           |     |
|    |                                                 | <u>Illavala -Mysore Road</u>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.60                      | C/D | 0.64                                          | D   | 0.76                                             | D   | No Change                           |     |
|    |                                                 | KRS<br><u>Pandavapura Road</u>       | <u>Srirangapatna / Mysore Road</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.67                      | D   | 0.72                                          | D   | 0.93                                             | E   | No Change                           |     |
|    |                                                 |                                      | <u>Brindavan Garden /Pandavapura</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.76                      | D   | 0.82                                          | E   | 0.82                                             | E   | No Change                           |     |
|    |                                                 | <u>Pandavapura Road</u>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.47                      | C   | 0.50                                          | C   | 0.64                                             | D   | No Change                           |     |
|    |                                                 | KRS Downstream Bridge                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.64                      | D   | 0.69                                          | D   | 0.89                                             | E   | 0.45                                | C   |
|    |                                                 | <u>Brindavan Garden Road</u>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.78                      | D   | 0.84                                          | E   | 1.19                                             | F   | 0.59                                | C   |
| c. | Internal Road width (RoW)                       |                                      | 3m, 4m & 12m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |     |                                               |     |                                                  |     |                                     |     |
| 21 | CER Activities                                  |                                      | total CER cost of the project is 8.25 Crores @ 0.5 % of the total investment of the project (1650 Crores).<br>CER activities and the details are as follows;<br><br>RO Water purification units<br>School Infrastructure developments<br>School Education Supports<br>Construction of Farm Ponds to support farmers<br>Construction/development of drainage in villages<br>Construction of Concrete internal roads in surrounding villages<br>Provision of street lights in villages<br>Construction of Bus stop in the villages<br>Providing facility for person with disability in villages |                           |     |                                               |     |                                                  |     |                                     |     |
| 22 | EMP (Details and capital cost & recurring cost) |                                      | Construction phase Capital cost – 784 Lakhs<br>Operation phase Capital cost – 4949 Lakhs<br>Operation phase Recurring cost – 1830 Lakhs                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |     |                                               |     |                                                  |     |                                     |     |

The proposal was considered in the 312<sup>th</sup> SEAC meeting and the Committee had deferred the project for want of clarification/reply from the Proponent for the observation made.

In the present meeting the Proponent submitted point wise clarification for the observation,

*Observation: 1. Miss match in Built-up area in pg 25 and pg 30, size and magnitude.*

Reply: The Proponent informed that the plot area of the project is 8,01,279.9715 Sq. mt. and the BUA of the project is 5,91,180.02 Sq. m. Table 2.4 of Section 2.3.4 in Page 25 & 26 of the EIA report shows that the BUA of the project site is 5,91,180.02 Sq. m. and Section 2.4 of the EIA report in Page 30 also states that the BUA is 5,91,180.02 Sq. m.

*Observation- 2. STP treated water, discharge not specified. STP locations on map not provided, ASP-STP technology proposed and treatment which is outdated.*

Reply: The Proponent informed that 290 KLD of wastewater generated is treated in STP of capacity 4 x 80 KLD and the treated water 261 KLD is utilized for the Flushing (203 KLD) and Water fountains (58 KLD). The treatment methodology adopted is Sequential Batch Reactor (SBR) technology and submitted the layout plan showing 4 Nos STP location is enclosed.

*Observation: 3. C&D waste disposal: disposal of wood/glass/ fibre & C&D not evaluated.*

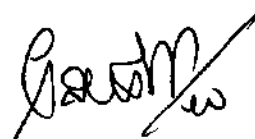
Reply: The Proponent informed that the existing structures namely; Department of fisheries, Naguvana-Department of Horticulture and plantation, Office of the Chief Research Officer, Karnataka Engineering Research Station (KERS) will be demolished. The generated construction debris of 1,18,810 Cum will be utilized within the project site for back filling / sub base work for roads & pavements and aesthetic formations at tree trail park, rock gardens within project site.

The wood from existing structures will be extracted separately and utilized for formation of trail paths/ bridges at tree trail park within project site and the Glass/fibre from existing structures will be extracted separately and utilized for glass castle. Therefore, all the C&D waste generated will be utilized at the project site.

*Observation: 4. Robust mechanism for handling solid waste: i.e, segregation, storage & treatment disposal mechanism. Plastic handling system (PET water bottles), dedicated building for segregation & bailing etc. not evident.*

Reply: The Proponent informed that, Solid waste will be collected and segregated as organic and inorganic waste. Organic waste will be treated in Organic waste convertors (5 Nos. with total capacity of 1900 kgs in an area of 100 sq m.) on daily basis and used as manure for gardening and inorganic waste will be handed over to KSPCB Authorised recyclers.

Further, dedicated places at 5 locations within project site with an area of 500 Sq. m. has been identified for collection, segregation and storage of solid waste including organic inorganic, biomedical, e-waste, battery waste and STP sludge.



The project site will ensure the concept of plastic free zone thereby avoiding Single-use plastic products such as plastic and polystyrene food and beverage containers, bottles, straws, cups, cutlery, disposable plastic bags, etc will not be supplied, commercialized or used. It will be ensured that no plastic items or outside packed foods will be allowed within the project site and the requisite guidelines will be imposed and signage boards indicating same will be installed at the entrance and within the project site.

Further, the Proponent agreed to provide a centralized mechanism for handling solid waste.

*Observation: 5.Pg 38, stack for which purpose?*

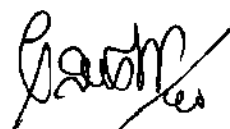
Reply: The Proponent informed that during operation phase, 4Nos of 200 KVA capacity DG sets will be used as backup with Acoustic enclosures and minimum stack height of 10 m will be provided to DGs. Therefore, stack monitoring for DG Sets will be carried out during operation phase and the details are provided in Pg 38 of EIA report.

*Observation :6.Traffic study: capacity considered as 2200 PCU for all roads to be clarified, Existing LoS already in Condition 'D', projected LoS E&F, plan for ease out of traffic and their plan.*

Reply: The Proponent informed that, as per Table 2 in Page 11 of IRC guidelines: 106-1990, the design service volume for two lane arterial road is 2400. Therefore, capacity of 2200 has been considered for all the assessed 2 lane roads. In order to ease out the traffic congestion, development of the existing roads connecting the Brindavan Garden will be ensured along with requisite traffic management measures. Request letter submitted for developing existing roads.

*Observation: 7.Public hearing also raised the same issue of traffic and noise pollution by the local villagers, the control methods adopted to mitigate the same, not evident.*

Reply: The Proponent informed that there will be considerable increase in the traffic after implementation of the project which would have an impact on the current infrastructure and connectivity to the project site. Therefore, as per the suggestions of the Public Private Partnership Appraisal Committee (PPPAC), Government of Karnataka, a request was submitted to the Secretary to the Government, Water Resources Department, Government of Karnataka for development of the existing roads connecting the Brindavan Garden. In addition to this, traffic management measures will be adopted and implemented to minimize the impact.



The source of noise pollution upon implementation of the project is through vehicular movement. As per the modelling results, the noise level due to vehicular movement is 87 dB(A). However, the noise levels towards the Ranganathittu Bird Sanctuary would be within the CPCB norms as the noise levels reduce over a distance.

Further, necessary parking facilities (4965 Nos) for 2-wheelers, 4-wheelers and buses has been made along with requisite traffic control measures as stated above to mitigate impact due to noise pollution.

Further, it is submitted that a total of 10,000 vehicles are estimated visiting the renowned Tirumala Tirupati Temple located within Sri Venkateshwara National Park and Sanctuary and the Andhra Pradesh Pollution Control Board (APPCB) has recorded noise levels of 76 dB(A) during day and 72 dB(A) during night. (Source: [https://pcb.ap.gov.in/UI/a\\_real\\_time\\_noise\\_monitoring\\_stations.aspx](https://pcb.ap.gov.in/UI/a_real_time_noise_monitoring_stations.aspx)).

*Observation: 8. Water quality monitoring during operations phase: Upstream water and downstream water to be analyzed to know the contamination from the leisure activity & their impact on the water quality.*

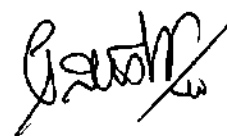
**Reply:** The Proponent informed that water quality monitoring in the upstream of River Cauvery, Downstream of River Cauvery and KRS dam will be carried out during operations phase. The details are presented in the Table 6.2 of Section 6.1 in Chapter 6 Environmental Monitoring Program of EIA report.

Contamination from the leisure water activities will be avoided by adopting environment friendly Ozonation treatment technology wherein weaker disinfectants, such as chlorine, chlorine dioxide, and monochloramine will be removed.

*Observation: 9. ESZ & Water bodies are in and around the Project Site. specific conservation plan on the Bird sanctuary and aquatic life to be evaluated in scientific manner through a carrying capacity study.*

**Reply:** The Proponent informed that as per the Distance Certificate issued Deputy Conservator of Forests Mysore Wildlife Division, Mysore on 30.05.2024, Ranganathittu Bird Sanctuary is located at a distance of 1.19 Km from the project boundary and the Eco-sensitive Zone boundary is located at a distance of 2.58 m from the project boundary.

Water bodies in and around the project site includes River Cauvery located within project site, KRS Dam located adjacent to project site and Chikkayarahallilake is located at a distance of 0.63 Km from the project site.



Wildlife Conservation plan for schedule I species at Ranganathittu Bird Sanctuary was submitted to the DCF, Mysore Wildlife Division on 18.06.2024 and the proposal has been forwarded to Conservator of Forests, Mysore Circle, Mysore on 21.06.2024.

During the study period, Fish species of the Cauvery River, in and around the project site were studied and a total of 11 species of phytoplanktons, 9 species of zooplanktons, 53 species of fishes, 7 species of insects, 1 species of Crustacea were recorded.

The Existing Brindavan Garden records a footfall of 12900 visitors/day in 2023 and the project upon implementation anticipates a carrying capacity of 20,000 visitors/day which can be sustained by the project site. Further, detailed breakup of the carrying capacity of various activities proposed within the project site is enclosed

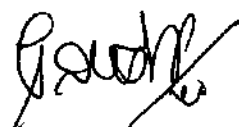
Further, that footfall per day for the several renowned tourist places are follows;

- Tirumala Tirupati Temple, Andhra Pradesh – 1.0-3.0 Lakh visitors/day
- Statue of Unity, Gujarat - 15000 visitors/day
- Taj Mahal, Uttar Pradesh – 15000 visitors/day
- Sabarmati Riverfront, Gujarat – 12,000 visitors/day
- Dharmasthala, Karnataka -10,000 visitors/day
- Madhurai Meenakshi Temple, Tamil Nadu – 20,000 visitors/day
- Kukke Subramanya temple, Karnataka – 20,000 to 50,000 visitors/day
- Ram Mandir, Uttar Pradesh – 1.5 Lakhs visitors/day
- Kedarnath Dham, Uttarkhand – 70,000 visitors/day
- Sri Ramanathaswamy temple, Tamil Nadu -20,000 visitors/day
- Kashi Vishwanath Dham, Uttar Pradesh – 20,000 visitors/day
- Darbār Sahib, Punjab -1.50.000 visitors/day

Therefore, it is hereby submitted that there are several other tourist places wherein the carrying capacity of the location is very well sustained and that the carrying capacity of the proposed project do not pose any such impacts on environment as all the mitigation measures will be ensured during operation phase of the project.

*Observation: 10. Pg 101: 2910 trees proposed for removal for Park upgradation. Removal of trees to be explained and except for coconut trees, all other matured forest species shall be retained to the maximum extent.*

Reply: The Proponent informed that a total of 3779 trees were recorded within the project site which has been planted by the Horticulture Department. Out of which, 869 trees will be retained and 2910 trees will be removed. Out of 2910 removable trees, 2343 horticulture trees (80%) and 567 multipurpose trees are recorded. Out of 2343 horticulture trees, 1593 trees belongs to Cocos nucifera and 750 trees belongs to other species. Further, about 120 horticulture trees will be transplanted within project site.



As part of greenbelt development a total of 9016 trees will be planted within project site to support local biodiversity of the region.

*Observation:11.Evaluation of impact by tourist vehicles not accounted in air modelling study.*

Reply: The Proponent informed that impact of tourist vehicles based on air modelling using AERMOD cloud software is studied and incorporated in section 4.2.2.2 of Chapter 4 in EIA report.

*Observation:12. Pg 126, 382.22 µg/m3 at an elevation of 200 m, how such a value has arrived in the mathematical modelling to be specified, what are the dust sources & their masses considered for calculation, viz, Point source, area source, line source and their quantification with atmospheric data of mixing height, wind velocity, wind turbulence, building downwash etc.,*

Reply: The Proponent informed that the elevation is 0 which is clearly mentioned at the colour legend showing concentrations in isopleth drawn. Elevation is 0 as we have not considered topography and to be read as 'at a distance of 200 m in S direction'. Primary meteorological data from excel sheet is provided to AERMET which is a pre-processor of AERMOD which performs all the calculations to derive the secondary parameters required by AERMOD which includes mixing height calculation. Since there is only construction activities on ground building downwash is not considered.

*Observation:13. In pg 130 Maximum concentration predicted is 2.90 mg/m3, should be clarified.*

Reply:The Proponent informed that detailed calculation is provided in section 4.2.2.2 of Chapter 4 in EIA report.

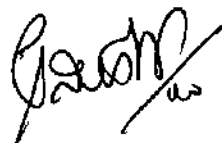
*Observation:14. Evaluation of impact on Ecology and Biodiversity, Solid waste not carried out in pg 122- 125*

Reply:The Proponent informed that Evaluation of impact on Ecology and Biodiversity, Solid waste has been carried out and presented in page no. 138 and 141 of EIA Report

*Observation:15. Renewable energy wind or solar installations in the project roof top of the buildings are not evident.*

Reply: The Proponent informed that the proposed project does not involve any buildings with roof structures; however, roof top solar panels will be installed over parking area and toll gate in an area of 43,925 sq. m. wherein renewable energy of 4,72,805 MW will be generated through solar panels.

In addition to this, the entire project area being a tourist spot aims at adopting solar lighting systems and 1056 solar street lights along internal roads within project site.



*Observation: 16. Eco tourism, sustainable development, GHG emission reduction not provided explicitly.*

**Reply:** The Proponent informed that the sustainable ecotourism at the project site helps in community development by providing the alternate source of livelihood to local community which is more sustainable.

Its aim is to conserve resources by adopting renewable energy for lightings, utilizing excavated soil for gardening, utilizing C&D waste for creating aesthetic structures, educating the tourists about the significance of the monuments of India, highlighting biological diversity through developing the Gardens, aroma garden, tree trail park, orchid valley thereby providing habitat to local biodiversity.

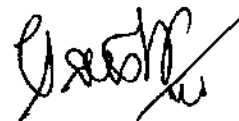
These provide ecological experience to tourists by highlighting the tradition, culture, sustainability and significance of conserving the environment and archaeological monuments, etc. thereby gaining economic benefit.

The major source of GHG emissions in and around the project site is vehicular movements and the impacts of GHG emissions will be minimized through plantation of 9016 trees with a carbon sequestration capacity of 353.048 tones and existing 869 trees with a carbon sequestration capacity of 2378.8 tones.

In similar incidences, Sabarmati Riverfront Development being developed across River Sabarmati in Gujarat is a Riverfront Development with the primary objectives of creating well accessible public realm along river, protect against floods, enhance green cover along the riverbank & strengthen city's transport network. This project provides modular facilities such as playgrounds, splash pools, gym, indoor games, parks, nursery, interactive art and sculptors, seating, shopping, eating facilities, vending carts, micro markets, etc. Sabarmati Riverfront Development is being developed by adopting sustainable waste and wastewater management measures and promoting ecotourism.

Further, submitted that the proposed up gradation & Beautification of Brindavan Garden is also a project of similar nature to that of Sabarmati River front development and it will be assured that CNL will adopt all sustainable measures to make the garden a world class ecotourism and recreational place.

*Observation: 17. Storm water management, Contaminated Water wash off to the river or ESZ not assessed.*



Reply: The Proponent informed that as per Hydrology studies, the project site is covered with the sufficient natural drainage system including streams, river, canals which naturally improves the ground water quality of the region. However, Existing storm water network will be utilized and upgraded as per requirement and submitted Storm water network plan.

290 KLD of wastewater generated is treated in STP of capacity 4 x 80 KLD and the treated water 261 KLD is utilized for the Flushing (203 KLD) and Water fountains (58 KLD). In addition to this, eco-friendly Ozonation treatment technology will be adopted for activities involving water games. Hence, no contaminated water will enter the river or ESZ.

*Observation :18. Socio economic benefits of the project need to be elaborated in detail.*

Reply: The Proponent informed that the project being a renowned tourist attraction spot shall lead to overall growth in Economy of the region and shall become the harbinger of good fortune for the people. Project like these have a positive impact on the locals socio-economic factors and also benefit to the state and country as a whole.

The proposed theme-based development highlights the traditional, social and cultural heritage of Karnataka. The project highlights the significances of the environment and forest ecology through places involving North Garden, South Garden, Orchid Valley, Aroma Garden, tree trail park, etc by giving the visitors an educational retreat of the environmental benefits thereby promoting ecotourism.

Aesthetic, Recreation and beautification projects can improve the quality of life for residents by creating spaces that are welcoming and enjoyable to spend time. This project will no longer just offer both short term period and long-term employment and will also promote tourism in the area thereby enhancing the economic benefits of the State and local people. Several other petty shops and other shops will further be developed outside the project site which enhances indirect employment opportunities.

*Observation:19. To provide detailed cost benefit analysis.*

Reply: The Proponent submitted the detailed economic Cost Benefit Analysis (Source: Supplementary report dt: 02.01.2007 issued by Central Empowered Committee constituted by the Hon'ble Supreme Court Order).

The Committee noted the clarification and appraised the project.

The proposal is for upgradation and beautification of Brindavan Garden by constructing BUA of 5,91,180.02 Sqm in plot area of 8,01,279.97 Sqm, for which SEIAA had issued ToR on 05.10.2023.



The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To provide a centralized mechanism for handling solid wastes generated in the area.
3. To lasers used should not impact near by flora/fauna.
4. To provide suitable mechanism for preventing contamination of water, soil and air.
5. To provide proper sound insulation towards ESZ.
6. To make necessary arrangements for free flow of traffic before completion of project.
7. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.22 Dharma Iron Ore Mine Project at (ML No. 0013) Village-Ramgad, Taluk- Sandur, District-Ballari (43.58 Ha) by M/s. JSW Steel Limited – Online Proposal No.SIA/KA/MIN/466066/2024 (SEIAA 307 MIN 2023)**

**About the project:**

| S No. | Particulars                                                            | Information Provided by PP                                                                          |
|-------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1     | Name & Address of the Project Proponent                                | M/s. JSW STEEL LIMITED Vijayanagar Works Mines Division PO- Vidyanagar, Ballari- 583275             |
| 2     | Name & Location of the Project                                         | DHARMA IRON ORE MINE (ML. NO. 0013) Village Ramgad, Taluka Sandur, District Ballari,                |
| 3     | Co-ordinates                                                           | Longitude: 15° 08' 21.88953" - 15° 08' 35.53454"<br>Latitude: 76° 27' 12.47119" - 76° 27' 31.93889" |
| 4     | Type of Mineral                                                        | Iron Ore                                                                                            |
| 5     | New/expansion/modification /renewal                                    | Expansion - 0.49 MTPA                                                                               |
| 6     | Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other] | Forest Land                                                                                         |
| 7     | Area in Ha                                                             | 43.58 Ha.                                                                                           |
| 8     | Annual production (metric ton /Cum) per annum                          | 0.18 Million Tonnes Per Annum(Current/Present)<br>(Proposed is 0.49 MTPA Expansion capacity)        |

|    |                                                                                                                                                                                                                                                                             |                                                                            |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 9  | Project Cost (Rs. In Crores)                                                                                                                                                                                                                                                | Rs. 15.98 Crores                                                           |
| 10 | Proved quantity of mine/quarry-<br>Cu.m/Tons                                                                                                                                                                                                                                | 10.419 Million Metric Tonnes (Mineable Reserves)                           |
| 11 | Permitted quantity per annum-<br>Cu.m/Ton                                                                                                                                                                                                                                   | 0.18 MTPA to 0.49 MTPA (Expansion capacity)                                |
| 12 | Approach Road                                                                                                                                                                                                                                                               | 5kms from mine to connecting main road (SH-49).                            |
| 13 | Five years plan period                                                                                                                                                                                                                                                      | Area 22.46 Ha (Area Under Mining)<br>Top RL- 884 mRL<br>Bottom RL - 831mRL |
| 14 | Conceptual stage                                                                                                                                                                                                                                                            | Area -28.51Ha (Area Under Mining)<br>Top RL- 961 mRL<br>Bottom RL- 747mRL  |
| 15 | CER Activities: <ul style="list-style-type: none"> <li>• Landscaping activity &amp; solar electrification at Ramgad Temple</li> <li>• Solar electrification of village</li> <li>• Plantation activity at the village area</li> <li>• Distribution of tree guards</li> </ul> |                                                                            |
| 16 | EMP Budget is Rs.54.4 Lakhs                                                                                                                                                                                                                                                 |                                                                            |
| 18 | CCR date                                                                                                                                                                                                                                                                    | 24.05.2023                                                                 |
| 19 | Earlier E.Cby SEIAA/MoEF date                                                                                                                                                                                                                                               | Granted on 26.08.2022 for 0.18 MTPA                                        |
| 20 | CFO                                                                                                                                                                                                                                                                         | Issued on 01.09.2022                                                       |
| 21 | Forest Clearance Date                                                                                                                                                                                                                                                       | 03.06.2022 (Transfer of FC as per amended vesting order)                   |
| 22 | IBM Approval Date                                                                                                                                                                                                                                                           | Approved on 30.06.2023 for 0.49 MTPA                                       |
| 23 | R&R Plan Date                                                                                                                                                                                                                                                               | Issued on 28.05.2018                                                       |
| 24 | Public hearing                                                                                                                                                                                                                                                              | Conducted on 10.11.2023.                                                   |

The proposal was considered in the 312<sup>th</sup> SEAC meeting and the Committee had deferred the project for want of clarification/reply from the Proponent for the observation made.

In the present meeting the Proponent submitted point wise clarification for the observation,

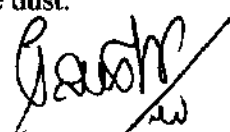
*Observation: 1. In Annexure-4 of EDS base line report, Values of station A1 & A2 for all parameters are found to be the same.*

**Reply:**The Proponent informed that the typo error and error in compilation of the reports, correction done in the Baseline reports wrt. AAQM station A1 and A2.

*Observation: 2. Clarify regarding PM sampled for 24 hrs continuously at mine site.*

**Reply:**The Proponent informed as per the CPCB/MoEF&CC guidelines and NAAQ standards, one station in Core zone and 6 stations in buffer zone (selected as per the topography and met data) are being monitored.

- The fugitive samples are also monitored as per the MoEF&CC notification, GSR 809 (E), dated 04/10/2010 for 4 stations and the reports are monitored Separately for fugitive dust.

**Observation:3. Signature & Unit of measurement not mentioned in all reports of environmental monitoring.**

**Reply:**The Proponent informed that the baseline reports are mentioned with unit for the respective parameters and are with signatures.

**Observation:4. Details of sustainable ore transportation mechanism not evident in any of the chapters, which is crucial for this project.**

**Reply: -** The Proponent informed that the Dharma Mine falls under the cluster of Mines. CEC has defined the production capacity for each mine falling in the cluster considering the carrying capacity of the Road,

- The vehicles, trucks will be regularly checked for PUC certificate
- Iron ore will be transported through trucks which are fully covered by tarpaulin sheets
- The regular maintenance of the road and regular dust suppression will be carried out.
- All the major transportation roads used for ore evacuation are black topped & Cement concreted.
- The carriage capacity of trucks has increased with increase in axle load weight which in turn has reduced the vehicular traffic.

The same has been explained in detail in Chapter 4, Para No. 4.2.2.4 of Final EIA report.

**Observation:5. Public hearing Comment 2: CER provisions mentioned at 4 locations as budget of 21,000 lakhs is not clear.**

**Reply:** The Proponent informed that around Rs. 21,000 lakhs (210 Cr.) budget has been proposed towards the construction of Rama Mine DHPC (Adjacent Mine to Dharma Iron Ore Mine owned by JSW).

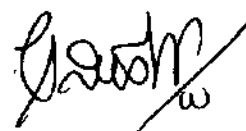
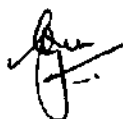
**Observation:6. CER implementation is generic, No time line for implementation in physical terms with Budgetary provisions.**

**Reply:**The Proponent informed that around Rs. 21,000 lakhs (210 Cr.) budget has been proposed towards the construction of Rama Mine DHPC (Adjacent Mine to Dharma Iron Ore Mine owned by JSW).

- The CER Report with budget : -
  - Solar Electrification : - Rs. 38,68,400
  - Tree Guards : - Rs. 15,00,000

The Total Budget for the CER is Rs. 53,68,400

**Observation:7. ELA: Page 615, The Wildlife Management Plan prepared by ZSI mentioned as "has to be formulated by the Office of the Deputy Conservator Forest (DCF), Ballari and will be submitted to the Chief Conservator of Forests for his comments and onward submission to the office of Chief Wildlife Warden, Karnataka to be submitted.&**



*Observation:8. ToR Compliance point no.18: duly authenticated WLCP, separately for core and buffer zone should be furnished. Such report Not evident.*

*Reply:*The Proponent informed that The Wildlife Management Plan (WMP) prepared by ZSI (GoI) has been submitted to PCCF (Wildlife) & Chief Wildlife Warden Karnataka for its authentication.

- The said Wildlife Management Plan was prepared in compliance with the Stage I clearance, as per the condition stipulated therein, as per the condition,
  - i. WMP for the area shall be prepared by State Government and the same shall be implemented by the Forest Department.
  - ii. The cost of implementation and preparation of plan shall be borne by the Lessee
  - iii. The WMP shall be submitted to MoEF&CC further and the cost of the Plan shall be deposited in CAMPA fund prior to the final Approval.
- As per the above terms, the conservation budget of Rs. 75 lakhs has been proposed and will be deposited on its authentication.

*Observation:9. Page 124, Schedule of species as per WLPA -2022 not evaluated.*

*Reply:*The Proponent informed that Schedule of species as per WLPA 2022 is updated.

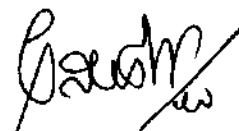
*Observation:10.Point no.25: Water is withdrawn as per the Karnataka Ground Water Authority (KGWA) approved NOC. No NOC Attached.*

*Reply:*The Proponent informed that,

- There are no Bore wells inside the mine lease area and water will be withdrawn from the Dharma Mine Pit for Dust Suppression.
- We have a common facility close by to the Mine for the withdrawal of water for which NOC was granted by KGWA, dated 12/01/2022.
- An application for the renewal of the said NOC is submitted on 10/06/2024 which is under process.

*Observation:11. Since, it is running plant, environmental monitoring report, environmental compliances for CFO/EC, Form-V etc., not evident.*

*Reply:* -The Proponent informed that as per the EC conditions Half yearly EC compliance is regularly submitted to the Authority. Also all the approvals and permissions under different statues are obtained. The latest approvals and compliances are detailed herein below,



| Sr.No | Statutory Approval/ Returns/ Compliance    | Details           |
|-------|--------------------------------------------|-------------------|
| 1     | Certified Compliance Report                | <u>18.06.2024</u> |
| 2     | Half Yearly EC compliance submitted-Latest | <u>31.05.2024</u> |
| 3     | CFO compliance submitted-latest            | <u>31.05.2024</u> |
| 4     | Environmental Monitoring Report-latest     | <u>10.07.2024</u> |
| 5     | Environmental Statement in form V          | <u>17.07.2023</u> |

**Observation:12. Sustainability compliance, Net Zero goals, GHG reporting not spoken.**

**Reply:**The Proponent informed that,

- The Sustainability Assurance Report /Compliance, Net Zero goals and GHG reporting has been done.
- The Net Zero Goals is expected to be reached by 2050.

**Observation:13. Page 24: All proved reserves are mentioned as 10.42 MTPA for both proved & mineable (what about blocked 211 shown in geological sections)**

**Reply:**The Proponent informed that,

- The Mineral Reserve/Mineable Reserve consists of 2 categories: -
  - i. Proved Mineral Reserve (111)
  - ii. Probable Mineral Reserve (121 & 122).
- In case of Dharma Mine, since the entire area has been brought under G1 level of exploration, hence, the Mineral Reserve or Mineable Reserve is actually Proved Mineral Reserve (111) which is calculated as 10.42 MMT.
- However, the Blocked Resources which is given as Feasibility Mineral Resource (211) will come under the category of Remaining Resources and that cannot be considered as Proved or Mineable reserves. The Blocked Resources are calculated as 2.17 MMT.
- At page No. 24, under the Table No. 1.2 Salient Features of the Project, only the Proved and Mineable Reserves are mentioned. The details on Mineral Reserves and Resources are given again in Chapter 2, Para No. 2.8.4.1, and Table No. 2.6 wherein Geological Reserves and Resources are explained in detail.

**Observation:14. Inconsistency Data : EIA Page No.37, (72) ESZ IS within 10 km radius, Page 33 mentioned 18.5km, Page 42 mentioned 10.93 km, to be clarified.**

**Reply:**The Proponent informed that,

- The mining lease area is beyond the eco-sensitive zone (ESZ) of Daroji Sloth Bear Sanctuary (DSBS). The aerial distance of nearest mine boundary to the DSBS & ESZ are given below:

1. Daroji Sloth Bear Sanctuary- 10.93 km
2. Eco sensitive zone of Daroji Bear Sanctuary- 9.42 km



*Observation:15. Page 43, mentioned 2.75 Lakh m3 rain water will be harvested, Engineering plan & structures not evident.*

Reply:The Proponent informed that,

- The runoffs are diverted to the open pit. The dimensions of the pit are 150m\*50m\*16m (L\*W\*D) which accommodates approximately 1,20,000m<sup>3</sup> of water, which is further used for Dust Suppression purposes.
- The quantity of 2.75 lakh m3 may be neglected, as it is typo error. Apologies for the typo error.

*Observation:16. Page 60, SILT CONTROL MEASURES: drawings & plans to be submitted.*

Reply:The Proponent informed that,

- The Reclamation & Rehabilitation (R & R) plan was prepared by ICFRE (Indian Council of Forestry Research and Education, Dehradun) and the same has been approved by CEC.
- The R & R structures formulated/proposed by ICFRE and completed on field includes Toe Wall & Garland Drain (4 No's) and Silt Settling Tank (1 No.) are inside the Mine Lease Area.
- These structures are sufficient to sustain the rainfall in the area.

*Observation:17. Page 146: conceptual plan, afforestation 1.72 ha, Page 154: existing green belt: 3.08 Ha, proposed 5.18 Ha, clarification required to the green belt at conceptual stage.*

Reply:The Proponent informed that,

- After the commencement of operations, 3.08 Ha has been brought under plantation as on 31.03.2023 and in the Approved Mining Plan Modification an aggregate of 5.18 Ha area has been proposed for plantation for remaining 2 FY's of the Plan Period.
- However, in the Conceptual Plan, the proposal of Afforestation has been given for a total area of 42.04 Ha, of which 28.51 Ha comes under mining, 11.81 Ha comes under dumps and 1.72 Ha comes under the 7.5 m safety zone from the ML Boundary which is also termed Green Belt Area.

*Observation:18. Functional Area Expert details to be submitted.*

Reply:The Proponent informed that Details of Functional Area Expert is submitted and attached as part of EIA EMP.

*Observation:19. Page 163: Max value of PM10 in Mine office shows, 79, whereas in base line data it is (Annexure V of ADS) less than 64 Clarify.*

Reply:The Proponent informed that ,

1. The Baseline reports are verified, there was mistake in compilation which is been corrected.
2. Max Value of PM10 is 79.32, refer Baseline reports

*Observation:20. Page 164: Max GLC in table and in isopleth has no correlation and there is data mismatch.*

Reply: The Proponent informed that,

- As per the CPCB norms/MoEF&CC guidelines, one location in the core zone and 6 locations are selected in the buffer zone for AAQM monitoring.
- The parameters are monitored and analyzed as per the NAAQ standards.
- The location within Mining lease was selected at Mines office.
- The fugitive sampling is also carried out for SPM covering different mining operations, including excavation, loading, unloading, haulage road, etc.
- But these fugitive samples are not considered for AAQM modelling.
- The buffer zone is cluster mining zone as well. The locations have been selected considering the met data as well.
- Being the buffer area, in the cluster area and downhill the Mining areas, the GLC are found comparatively more at these locations.

The Model was run again, considered exploration, drilling and transportation, the results are tabulated as below,s

| <b>PM10 µg/m3</b>                         |                  |                                            |                                   |
|-------------------------------------------|------------------|--------------------------------------------|-----------------------------------|
| <b>Name of Location</b>                   | <b>Max Conc.</b> | <b>Predicted Incremental Concentration</b> | <b>Post Project Concentration</b> |
| <b>Mines office (Within Mining Lease)</b> | 79.32            | 2.79                                       | 82.11                             |
| <b>Ramgad village</b>                     | 59.60            | 0.92                                       | 60.52                             |
| <b>Ramgad railway station</b>             | 60.79            | 1.43                                       | 62.22                             |
| <b>Sushilanagar village</b>               | 59.76            | 0                                          | 59.76                             |
| <b>Siddapura village</b>                  | 58.19            | 0.71                                       | 58.9                              |
| <b>Gunda village</b>                      | 60.13            | 0.3                                        | 60.43                             |
| <b>Gunda road railway station</b>         | 54.15            | 0.52                                       | 54.67                             |
| <b>Near petrol pump(daulatpur)</b>        | 55.6             | 0.0                                        | 55.6                              |

- Prediction of fugitive dust level in the surrounding is carried out with the help of ISCST (Industrial Source Complex-Short Term ISC-3).
- As per the predictions made using ISCST3 Modelling the total incremental increase is within the permissible limits of CPCB.

| <b>PM2.5(µg/m3)</b>                       |                  |                                            |                                   |
|-------------------------------------------|------------------|--------------------------------------------|-----------------------------------|
| <b>Name of Location</b>                   | <b>Max Conc.</b> | <b>Predicted Incremental Concentration</b> | <b>Post Project Concentration</b> |
| <b>Mines office (Within Mining Lease)</b> | 46.60            | 0.45                                       | 48.05                             |
| <b>Ramgad village</b>                     | 33.39            | 0.33                                       | 33.72                             |
| <b>Ramgad railway station</b>             | 33.89            | 0.27                                       | 34.16                             |
| <b>Sushilanagar village</b>               | 34.28            | 0.1                                        | 34.29                             |

|                             |       |      |       |
|-----------------------------|-------|------|-------|
| Siddapura village           | 35.17 | 0.0  | 35.17 |
| Gunda village               | 34.96 | 0.2  | 34.98 |
| Gunda road railway station  | 30.76 | 0.35 | 31.11 |
| Near petrol pump(daulatpur) | 28.98 | 0.0  | 28.98 |

- Prediction of fugitive dust level in the surrounding is carried out with the help of ISCST (Industrial Source Complex-Short Term ISC-3).
- As per the predictions made using ISCST3 Modelling the total incremental increase is within the permissible limits of CPCB.

*Observation:21. Traffic study not conducted as per IRC guidelines.*

Reply: The Proponent informed that,

- Mine is connected to SH-49 in eastern and Northern direction through a mine road which is shared by one mine of M/s VESCO, one Mine of M/s. JSW Steel Ltd., and 2 mines of M/s. ZTC. (Total Distance-2.5Km). The Road is two way, and Kutcha road.
- From Trijunction Point to Hosahalli Transfer Point -Total Distance 9.5Km, Road is two way and Tar Road (Public Transport also exists in addition to Mineral Transportation)
- From Hosahalli Transfer Point to JSW steel Plant (distance 10.7Km, Road two way and Tar road)

#### • **TRAFFIC DENSITY**

- With the present production capacity: of 0.18MTPA
  - The no of trips per day :- 30 (18 Tonner Volume Capacity),
  - Total:- 60 trips (considering the two way trip)
  - With the increase in production capacity-0.18MTPA to 0.49MTPA
  - The no of trucks per day:-80 (18 Tonner Volume Capacity)
  - Total:-160 trips (considering the two ways trip)
- No of trucks from neighboring Mines:- 300,
  - Total 600 trips (Considering the two ways trips)

|                        |                          |
|------------------------|--------------------------|
| • Name of the Mine     | • Max No of trip per day |
| • Dharma Iron Ore Mine | • 160                    |
| • From Cluster Mines   | • 600                    |
| • Public Transport     | • 300                    |
| • Total                | • 1060                   |

• **Level of Service:-**

- I. As per the Indian Road Congress guidelines for 'Traffic Predictions on Rural Areas' (IRC:64- 1990), the capacity of the road , considering the hilly terrain is 7000 PCU/day.
- II. Truck Transport Load 1060 trips per day of (truck or bus), PCU factor is 3 (PCU :- Passenger Car Unit)=1060 \*3 = 3180 PCU/day.
- III. Road Capacity is 7000 PCU/day if added 300PCU/day for (cars and Motor Bikes) to PCU/day the total is 3480 PCU/day.
- IV. Thus, the utilization of the Road with the added proposed Mine transport load is <60 % of the Road capacity.

Considering the ratio of existing volume of PCU on roads (V) and its Capacity (C) with corresponding level of services (LOS) and its performance is of B category as per the IRC 64:1990 guidelines. The existing Road is capable of handling the incremental load of mineral transportation due to the proposed expansion in mining project.

*Observation:22. Pg 174: proposed impact on environmental has said NIL in all aspects.*

Reply: The Proponent informed that,

- The impacts discussed at page no. 174-175 are about the 'Impacts on Socio-economic Aspects'.
- In the present section, potential impacts on the socioeconomic aspects that are likely to arise, as a result of the proposed expansion operations of Dharma Iron Ore Mine by JSW, are discussed under different headings, viz, generation of employment opportunities, cultural aspects, Education., Aesthetics, Medical facilities, Agriculture, Industry and Women.
- The present Mine is already working Mine.
- The Lessee has undertaken CSR activities that are beneficial for the people living in and around the Mine.
- The Lessee intend to upgrade the CSR activities, with budgetary provision of Rs 105.58 Lakhs per annum, all these will certainly lead to positive impact on the social aspects of the area.

*Observation:23. Socio economic benefits of the project needs to be elaborated in detail.*

Reply: The Proponent informed that the proposed expansion of the mine in terms of increase in production will have the following benefits to the following stakeholders till the Life of the Mine:

- Direct employment of nearly 90 and indirect 1000.
- The proposed expansion of the mine in terms of increase in production will have the following benefits to the following stakeholders till the Life of the Mine such as State & Central Government, Social Benefits & Implementing Agency.
- Nearly, for 21 years Premium amount of 4200 Cr., Royalty of 672 Cr., DMF of 67.41 Cr., NMET of 13.44 Cr.

*Observation: 24. To provide detailed cost benefit analysis.*

*Reply:* The Proponent informed that,

- The product/mineral produced will be in two forms, i.e., lumps and fines.
- The cost of production per Tones of the mineral is Rs. 4408/- and the Market Price of the Mineral, as on date is Rs. 4421, thus the Profit arrived per Tones of the Mineral is Rs. 13.00/-
- Since the present Mine is already existing working mine, the expansion in production is economically viable.

The Committee noted the clarification and appraised the project.

The proposal is for expansion of EC for mining in Iron Ore Mine of JSW from 0.18MTPA to 0.49 MTPA, for which EC was issued earlier by SEIAA on 26.08.2022 and ToR was issued by SEIAA on 13.07.2023. The Proponent informed the Committee that lease was granted with ML No. 0013. The Proponent informed that they will obtain transfer of FC as per the vesting order dated 03.06.2022. The Proponent has submitted certified compliance to the earlier E.C. conditions from Regional Office, MoEF&CC dated 24.05.2023.

Public hearing was conducted on 10.11.2023 and the opinions/request of 34 people have been recorded in PH minutes. The Committee reviewed the statements recorded by the people who attended the public hearing, for which the Proponent made a presentation submitting point wise compliance to all these issues/requirements raised by the public during public hearing. The proponent informed that they would strengthen the approach road as per IRC (Indian Road Congress) standard norms & also to grow trees all along the approach road by obtaining necessary permission. The Proponent informed to adhere to approved Reclamation and Rehabilitation (R&R) Plan.

The Proponent has collected baseline data for air, water, soil and noise and all parameters are found to be within permissible limits. The Proponent informed that all mitigative measures will be taken up to ensure that the parameters are maintained within permissible limits.

Considering the proved mineable reserve of 10.419 MT as per the approved Mining plan, the Committee estimated the life of the mine to be 22 years and decided to recommend the proposal to SEIAA for issue of Environment Clearance for annual production of 0.49 MTPA, with following consideration,

1. Proponent agreed to comply with the request of public, expressed during public hearing.
2. To comply with the observations in CCR issued by MoEF&CC
3. Proponent agreed to carry out regular health checkup for the workers in the nearby Hospital.
4. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.23 Brigade Commercial Development Project at Municipal No. 20B, (Old Municipal No. 8/1), Sankey Road, Ward No.99 - Aramane Nagar, Bengaluru by M/s. Brigade Enterprises Limited - Online Proposal No.SIA/KA/INFRA2/466909/2024 (SEIAA 34 CON 2024)**

**About the project:**

| Sl. No | PARTICULARS                                                                                                             | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent                                                                                 | M/s. Brigade Enterprises Limited, 29 <sup>th</sup> & 30 <sup>th</sup> Floor, World Trade Center, Brigade Gateway Campus, 26/1, Dr Rajkumar Road, Malleswaram - Rajajinagar, Bengaluru                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2      | Name & Location of the Project                                                                                          | Brigade Commercial Development Municipal No. 20B, (Old Municipal No.8/1), Sankey Road, Ward No. 99 - Aramane Nagar, Bengaluru                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 3      | Type of Development                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|        | a. Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Commercial, Offices, Food Court, Small Retail Category 8(a)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|        | b. Residential Township/ Area Development Projects                                                                      | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|        | c. Zoning Classification                                                                                                | The Land Use as per BDA RMP 2015 is Commercial (Business)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 4      | New/ Expansion/ Modification/ Renewal                                                                                   | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5      | Water Bodies/ Nalas in the vicinity of project site                                                                     | The Project site is within the Core Area of Bengaluru City. The reference to the Village Maps for the Core area of Bengaluru is irrelevant as the Topography has been altered several times since 1902, when the present day Village Maps were drawn for the purpose of Revenue Collection through various Taxes. The project site is part of Vyalikaval Village and the part of the land earmarked as Shiti Land is the proposed project site (No Survey number is given to the land). The project site is near Rajmahal Village boundary, where a Nala is seen near the borders of the villages. On analysis of both the Village Maps it is found that Sankey Tank which was constructed in 1882 as a reservoir to supply water was linked to the Miller's tank and Dharmambudhi tank (Both Tanks are Non Existent today) passed near the project site (to Miller's Tank). Over the Years Miller's Tank near Cantonment Railway Station was intentionally built upon so was |

|    |                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                                                                             | <p>Dharmambudi Tank. The drains connecting these lakes have also been removed and many structures are built over them. There is a Sri Mahalakshmi Taayi Gudi / Temple followed by 1st Main Road at the Nala area indicated in the Rajmahal Village Map near the project site. Today, Sankey Tank is known as the Origin point of Vrishabhavathi River. There is another Nala towards the South of the Project Site seen in the Vyalikaval Village Map, this Nala is at a distance of about 25m. The Bengaluru Development Authority Revised Master Plan 2015 does not indicate any Nala near the project site. Moreover, the adjoining buildings to the project site have existed for over 5 Decades now. Nala buffer is not considered for the project due to above facts.</p> |
| 6  | Plot Area (Sqm)                                                                                             | 4,240.00 Sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 7  | Built Up area (Sqm)                                                                                         | 44,584.00 Sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8  | FAR <ul style="list-style-type: none"> <li>• Permissible</li> <li>• Proposed</li> </ul>                     | 4.8<br>4.79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 9  | Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | One Building -5 Basements + Ground Floor + 32 Upper Floors + Terrace Floor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 10 | Number of units/plots in case of Construction/Residential Township /Area Development Projects               | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 11 | Height Clearance                                                                                            | 108m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 12 | Project Cost (Rs. In Crores)                                                                                | 60 Cores                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 13 | Quantity excavated earth & its management                                                                   | <p>It is estimated that about 40,950 cum of earth shall be excavated using latest hi-tech earth moving machinery. Top earth of about 3,000 cum shall be stored and used for landscaping. About 6,300 cum of excavated soil will be used for Roads and walkways. About 10,250 cum will be used for backfilling and remaining 21,400 cum shall be used for manufacturing soil stabilized cement blocks which will be used within the project for construction of non-load bearing walls, compound walls, curbstone, pavers, etc. Excess Excavated Earth will be transported to our other projects with available</p>                                                                                                                                                              |

|     |                                                                                                        |                                                                                                                                                                                  |     |
|-----|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|     |                                                                                                        | storage area for manufacturing of soil stabilized cement blocks. The excavated earth and the soil stabilized cement blocks will be transported during non-peak hours of the day. |     |
| 14  | Details of Land Use (Sqm)                                                                              |                                                                                                                                                                                  |     |
| a.  | Ground Coverage Area                                                                                   | 1,133.56Sq.m                                                                                                                                                                     |     |
| b.  | Kharab Land                                                                                            | --                                                                                                                                                                               |     |
| c.  | Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006 | 450Sq.m                                                                                                                                                                          |     |
| d.  | Internal Roads                                                                                         | 2,614.8Sq.m                                                                                                                                                                      |     |
| e.  | Paved area                                                                                             |                                                                                                                                                                                  |     |
| f.  | Others Specify – Road Widening                                                                         | 41.64Sq.m                                                                                                                                                                        |     |
| g.  | Parks and Open space in case of Residential Township/ Area Development Projects                        | --                                                                                                                                                                               |     |
| h.  | Total                                                                                                  | 4,240.00Sq.m                                                                                                                                                                     |     |
| 15  | WATER                                                                                                  |                                                                                                                                                                                  |     |
| I.  | Construction Phase                                                                                     |                                                                                                                                                                                  |     |
| a.  | Source of water                                                                                        | Treated water from STP set-up for Labour camp at or near Project site                                                                                                            |     |
| b.  | Quantity of water for Construction in KLD                                                              | 10KLD                                                                                                                                                                            |     |
| c.  | Quantity of water for Domestic Purpose in KLD                                                          | 20KLD                                                                                                                                                                            |     |
| d.  | Waste water generation in KLD                                                                          | 17KLD                                                                                                                                                                            |     |
| e.  | Treatment facility proposed and scheme of disposal of treated water                                    | 20KLD STP                                                                                                                                                                        |     |
| II. | Operational Phase                                                                                      |                                                                                                                                                                                  |     |
| a.  | Total Requirement of Water in KLD                                                                      | Fresh                                                                                                                                                                            | 59  |
|     |                                                                                                        | Recycled                                                                                                                                                                         | 45  |
|     |                                                                                                        | Total                                                                                                                                                                            | 104 |
| b.  | Source of water                                                                                        | Bengaluru Water Supply and Sewage Board (BWSSB), Rooftop Rainwater & Treated Water                                                                                               |     |
| c.  | Waste water generation in KLD                                                                          | 83KLD                                                                                                                                                                            |     |
| d.  | STP capacity& Area required                                                                            | 95KLD STP                                                                                                                                                                        |     |
| e.  | Technology employed for Treatment                                                                      | Sequencing Batch Reactor Technology                                                                                                                                              |     |
| f.  | Scheme of disposal of excess treated water if any                                                      | Treated water will be used for toilet flushing, landscaping, make-up water for Cooling Towers etc.                                                                               |     |
| 16  | Infrastructure for Rain water harvesting                                                               |                                                                                                                                                                                  |     |
| a.  | Capacity of sump tank to store                                                                         | 110cum                                                                                                                                                                           |     |

|    |    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----|----|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |    | Roof run off                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    | b. | No's of Ground water recharge pits                              | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 17 |    | Storm water management plan                                     | Garland drains with 8 recharge pits are proposed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 18 |    | <b>WASTE MANAGEMENT</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    | I. | <b>Construction Phase</b>                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    | a. | Quantity of Construction & Demolition waste and its management. | <p><b>Demolition Waste:</b> Existing Cinema Building will be demolished. The Cinema building comprises of Ground Floor + 2 Upper Floors structure. The Built-up area of the Cinema building is 22,730Sq.ft (2,112Sq.m). The reusable materials viz., Glass, Metal, Seats, Wood, etc., will be dismantled carefully and sold to local recyclers. The building structure is made up of Brick Masonry, RCC Walls, Beams and Lintels. The Brick Masonry will be carefully demolished and reused for construction of temporary Labour Camp. The steel from the RCC walls, Beams and Lintels shall be removed and sold to recyclers. About 6,336 Metric Tonnes of Demolition waste is expected to be generated. The debris will be handled as per Construction and Demolition Waste (Management) Rules 2016 and will be disposed to Authorized Sites with prior permissions from the concerned authorities.</p> <p><b>Construction Waste:</b> 40kg/m<sup>2</sup> of construction waste is expected to be generated, quantifying the total construction waste to 1,783Tones. Waste during construction activity relates to excessive cement mix or concrete left after work is over, rejection caused due to change in design or wrong workmanship etc, concrete appears in two forms in the waste. Structural elements of building have reinforced concrete, while foundations have mass non-reinforced concrete. The construction waste shall be segregated at the project site into recyclable and non-recyclable waste. The recyclable waste shall be sold to local recyclers and the non-recyclable waste shall be disposed to authorized disposal sites identified as per the Construction and Demolition Waste Management Rules 2016. Other miscellaneous material during</p> |

|     |                                                                                                                    |                                                                                                                                                                                                                                                                                                                          |
|-----|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                                                                                                                    | construction that arise as waste includes, glass, plastic material, general refuse, scrap metal, cardboard, plastics etc. will be segregated and disposed to authorized recyclers.                                                                                                                                       |
| b.  | Quantity of Solid waste generation and mode of Disposal other than C&D.                                            | 20kg/day of solid waste shall be disposed through MCC waste management contractors                                                                                                                                                                                                                                       |
| II. | Operational Phase                                                                                                  |                                                                                                                                                                                                                                                                                                                          |
| a.  | Quantity of Biodegradable waste generation and mode of Disposal as per norms(Capacity of OWC & Area required)      | Quantity:151kg/day<br>Mode of Disposal:Composed within the project campus<br>Capacity of facility: 200kg/day<br>Area required: 35Sq.m                                                                                                                                                                                    |
| b.  | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                  | Quantity: 174kg/day<br>Mode of Disposal: segregated and sold to Local Authorized Recyclers<br>Capacity of facility: 200kg/day<br>Area required: 20Sq.m                                                                                                                                                                   |
| c.  | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           | Quantity:500 kg/annum<br>Mode of Disposal:Will be handed over to KSPCB Authorized Agencies<br>Area required:5Sq.m                                                                                                                                                                                                        |
| d.  | Quantity of E waste generation and mode of Disposal as per norms                                                   | Quantity: 50 kg/annum<br>Mode of Disposal: Will be handed over to KSPCB Authorized Agencies<br>Area required: 5Sq.m                                                                                                                                                                                                      |
| 19  | POWER                                                                                                              |                                                                                                                                                                                                                                                                                                                          |
| a.  | Total Power Requirement - Operational Phase                                                                        | 2,000KVA                                                                                                                                                                                                                                                                                                                 |
| b.  | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 1000KVA X 2Nos.                                                                                                                                                                                                                                                                                                          |
| c.  | Details of Fuel used for DG Set                                                                                    | High Speed Diesel (HSD)                                                                                                                                                                                                                                                                                                  |
| d.  | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | a.Timer based External Lights<br>b.BEE Star rated electromechanical systems shall be used in the development.<br>c.Solar Water Heating systems for top 3 floor dwelling units<br>d.Use of HF ballast for lighting<br>e.Use of LED light fittings<br>f.Building Orientation; Cross Ventilation.<br>Total Savings – 21.76% |
| 20  | PARKING                                                                                                            |                                                                                                                                                                                                                                                                                                                          |
| a.  | Parking Requirement as per norms                                                                                   | 410 Nos.                                                                                                                                                                                                                                                                                                                 |
| b.  | Level of Service (LOS) of the                                                                                      | Towards Mekari Circle & Sankey Tank - D                                                                                                                                                                                                                                                                                  |

|    |                                                  |                                                                                                                                                                                              |
|----|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | connecting Roads as per the Traffic Study Report | Towards ITC Windsor - D                                                                                                                                                                      |
| c. | Internal Road width (RoW)                        | 6m                                                                                                                                                                                           |
| 21 | CER Activities                                   | Implementation of EMP<br>Redevelopment of Venkatappa Art Gallery,<br>Karturba Road, Bengaluru                                                                                                |
| 22 | EMP (Details and capital cost & recurring cost)  | Construction Phase:<br>Capital Investment – 31.35 Lakhs<br>Recurring Cost – 4.05 Lakhs/ Annum<br>Operation Phase:<br>Capital Investment – 93.20 Lakhs<br>Recurring Cost – 20.65 Lakhs/ Annum |

The proposal was considered during 311<sup>th</sup> SEAC meeting and the Committee had deferred the project for want of clarification/reply from the Proponent for the observation made.

In the present meeting the Proponent submitted point wise clarification for the observation,

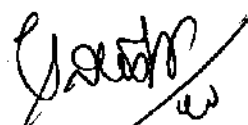
*Observation: 1. To carry out due diligence study for the proposed project considering the project location.*

*Reply:* Proponent informed that the project site was a Theatre for Movie Screening and did not carry any industrial activity at the project site. Further, like to inform that the project is a Joint Development with the landowners, who have owned the land parcel for over 6 decades now. We have collected required details from them as part of the Due Diligence exercise and did not find any risk of contamination of Soil, Groundwater or any other Environmental indicators. We have also obtained required information on the existing Water and Power Lines which may cause any risk to the Manpower involved in the dismantling of the Theatre structure. We have further disconnected the water, sanitary and power supply lines to ensure that there are no risk of any kind during dismantling. The waste generated from the dismantling process will be handled as per C & D Waste Rules 2016.

Further, we have collected and analysed Soil and Ground Water Samples and have found that there is no contamination due to the operation of the Theatre. The copies of the test reports are enclosed for your kind perusal.

We have also carried out detailed Geotechnical Investigation for the project site to zero down to the foundation depth and other required structural details required for Design. The copy of the Geotechnical Investigation report is enclosed for your reference and kind perusal.

*Observation: 2. Details of hydrogeological studies and drainage pattern of the proposed area.*

**Reply:** Proponent informed that the Cauvery Theatre premises gently sloped by 1.0m in West – East direction over 115m towards Bellary Road. Further, Cauvery Theatre premises was completely impervious with the theatre Building, concrete driveways and Parking and did not have any rainwater harvesting structures viz., Recharge Pits and Rooftop Rainwater Sumps. 100% of the rainwater from the Cauvery Theatre premises was discharge into the municipal Storm Water Drain of 1.8m x 0.6m size with estimated carrying capacity of 2.7cum/sec running along Bellary Road abutting the project site.

The storm water runoff from the present premises is estimated to about 80cum (which is 0.022cum/sec) at average rainfall of 21mm/hr and co-efficient of runoff as 0.9.

After development of the proposed project comprising of a similar coverage will also generate about 80cum of runoff which will harvested through Rooftop Rainwater Harvesting sump of 110cum and 8 Recharge Pits. The total rainwater harvesting capacity for the proposed project is 137cum. Thus, reducing the overall runoff into the municipal storm water drain. The project with its Rainwater Harvesting structures will have positive affect to the roadside storm water drainage system.

Catchment Area of the Storm Water Drain along the Bellary Road abutting the project site (Cauvery Theatre).

The size of the box drain is 1.8m x 0.6m with carrying capacity of 2.7cum/sec. The catchment area of this drain starts from the Magic Box Bridge is about 87,383Sq.m. (0.087Sq.km).

Catchment of Nala (Consider 10 Year Return Period and One Hour Peak)

|                                           |   |   |                                 |
|-------------------------------------------|---|---|---------------------------------|
| Maximum rainfall intensity                | I | = | 65 mm / hr                      |
| Runoff coefficient                        | C | = | 0.6                             |
| Total Area of catchment<br>(0.087 Sq. km) | A | = | 87,383Sq.m                      |
| Maximum flood,                            | Q | = | CAI = 0.946 m <sup>3</sup> /sec |

**Fig: Hydrogeological Flow Analysis Map showing Election of Natural Flow of Storm Water**

**Determining Capacity of channel (internal flow)**

|                           |   |   |                                                   |
|---------------------------|---|---|---------------------------------------------------|
| Velocity of water flowing | V | = | 2.5 m/s                                           |
| Cross Sectional area      | A | = | Width x Height                                    |
|                           |   | = | 1.8 X 0.6 = 1.08 m <sup>2</sup>                   |
| Discharge,                | Q | = | A X V = 1.08 x 2.5                                |
| =                         |   |   | 2.7m <sup>3</sup> /sec > 0.946m <sup>3</sup> /sec |

Thus, concluding that there is positive effect on the runoff from the project site and the Carrying capacity of the municipal storm water drain is adequate.

**Observation: 3.** To explore the possibilities for alternative site for the proposed project and relook into the feasibility study of proposed project location.

**Reply:**Proponent informed that the The project site is in the core zone of Bengaluru City and is earmarked for Commercial Development by the Bengaluru Development Authority. The project site is existing Cauvery Theatre and it is proposed to dismantle the existing structure and construct new building on similar ground coverage and footprint. The only difference is that we are planning to achieve the maximum permissible FAR for the project site by going Tall and proposing to construct Ground Floor + 32 Upper Floors which is the norm for metro cities worldwide and in India. The project after completion of construction will improve the aesthetics of the surrounding and provide Job Opportunity for over 2,000 People. Best construction practices are proposed for the project including obtaining Gold Green Building Certification from Indian Green Building Council (IGBC) for the project, Use of Construction Materials with recycled content of 20% and more, Rainwater Harvesting Systems, Sewage Treatment and Recycling, Mitigation of Pollution during Construction, Use of Energy Efficient systems viz., LED Lights, High COP Chillers, Double Gazed Unit Glass to optimise Daylighting, Water Conservation low flow water fixtures, Waterless urinals, etc. Apart from above, the project site has excellent connectivity including Public Transport. The Bus Stop is just 200m from the project site and several buses stop for various destinations of Bengaluru City and Suburban Areas. Further, the upcoming metro line to Bengaluru International Airport through Hebbal will reduce vehicular traffic flow and improve the connectivity.

*Observation:4. Details of soil test report.*

**Reply:**Proponent submitted the Copy of the soil test report.

*Observation:5. KGWA approvals for ground water.*

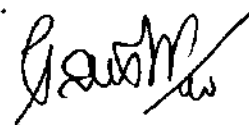
**Reply:**Proponent informed that the source of water is from BWSSB. They do not intent to use Borewell water in the project and thus KGWA NOC is not applicable.

*Observation:6. SOP for handling excavated earth and its management plan.*

**Reply:**Proponent informed that the excavation will be for providing basement, footings, sump tanks etc. and excavated earth will be used for backfilling, leveling of earth, internal roads, etc.

After scientific assessment, it is estimated that about 40,950 cum of earth shall be excavated using latest hi-tech earth moving machinery. Top earth of about 3,000 cum shall be stored and used for landscaping. About 6,300 cum of excavated soil will be used for Roads and walkways. About 10,250cum will be used for backfilling and remaining 21,400cum shall be used for manufacturing soil stabilized cement blocks which will used within the project for construction of non-load bearing walls, compound walls, curbstone, pavers, etc. Excess Excavated Earth will be transported to our other projects with available storage area for manufacturing of soil stabilized cement blocks. The excavated earth and the soil stabilized cement blocks will be transported during non-peak hours of the day.

Further, Diaphragm wall construction technology is adopted for excavation and construction of Basement retaining Walls from top of ground level to the foundation level which is about 18m – 20m below.

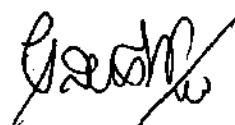


Diaphragm wall is a reinforced concrete structure constructed in-situ panel by panel. The wall is usually designed to reach very great depth, sometimes up to 50m, mechanical excavating method is thus employed. Typical sequence of work includes:

1. Construct the guide wall
2. Excavation to form the diaphragm wall trench
3. Support the trench cutting using bentonite / engineered slurry
4. Inert reinforcement and placing of concrete to form the wall panel
5. **Guide wall** – guide wall is two parallel concrete beams constructed along the side of the wall as a guide to the clamshell which is used for the excavation of the diaphragm wall trenches.  
Guide wall are constructed in-situ typically as lightly reinforced concrete element. Guide wall maintain the horizontal alignment and wall continuity of diaphragm wall while providing support for the upper soil depth during panel excavation.
6. **Trench excavation** – In normal soil condition excavation is done using a clamshell or grab suspended by cable to a crane. The grab can easily cut through soft ground. In case of encountering boulders, a gravity hammer (chisel) will be used to break the rock and then take the spoil out using the grab.
7. **Excavation support** – the sides inside the trench cut can collapse easily. Bentonite slurry is used to protect the sides of soil. Bentonite is a specially selected fine clay, when added to water, forms an impervious cake-like slurry with very large viscosity. The slurry will produce a great lateral pressure sufficient enough to retain the vertical soil.
8. **Reinforcement** – reinforcement is inserted in the form of a steel cage, but may be required to lap a few sections in order to reach the required length.
9. **Concreting** – placing of concrete is done using tremie pipes to avoid the segregation of concrete. As concrete being poured down, bentonite will be displaced due to its lower density than concrete. Bentonite is then collected and reused.
10. **Joining for the diaphragm wall panel** – Diaphragm wall cannot be constructed continually for a very long section due to limitation and size of the mechanical plant. The wall is usually constructed in alternative section. Two stop end tubes will be placed at the ends of the excavated trench before concreting. The tubes are withdrawn at the same time of concreting so that a semi-circular end section is formed. Wall sections are formed alternatively leaving an intermediate section in between. The in-between sections are built similarly afterward but without the end tube. At the end a continual diaphragm wall is constructed with the panel sections tightly joined by the semi-circular groove.

#### **Advantages of Diaphragm Wall Construction**

1. The process of constructing the Diaphragm Wall is relatively quiet and has little vibration
2. The Diaphragm Wall can be constructed to great depths (in excess of 80m)
3. The Diaphragm Wall can be constructed on various soil types and rocks
4. The Diaphragm Wall is watertight; no dewatering is required and hence has little effects on adjacent structures.
5. The Diaphragm Wall serves both as an external wall for the basement and foundation for the superstructure.



6. Minimal Ground Settlement: They help control ground settlement during excavation, reducing the impact on adjacent structures and the surrounding environment.

*Observation:7. Details of C&D waste and plan of handling.*

Reply:Proponent informed that the C & D waste generated from the project will be disposed through authorized agencies identified and notified by BBMP and KSPCB. Approval from Bengaluru Solid Waste Management Limited, (A Government of Karnataka Undertaking, A Joint SPV of BBMP and Government for Solid Waste Management) is obtained for disposal of C & D waste at Sy. No. 50, of Kannur Village, Bidarahalli Hobli, Bengaluru or Chikkajala, Yelahanka, Bengaluru. Copy of the approval is enclosed for you kind perusal.

*Observation:8. To increase solar energy harvesting capacity.*

Reply:Proponent informed that an attempt has been made to maximise the use of Solar P V Panels for generation of Energy. It is proposed to install 50KWH Capacity of Solar PV Panels. Also, it is proposed to avail Green Power through Power Wheeling.

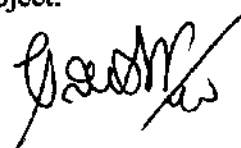
*Observation:9.To revise entry/exit approach for smooth traffic handling considering the congestion prevailing at present.*

Reply: Proponent informed that the entire frontage of about 19m will be used for Entry and Exit of Vehicles along with provisions for Security Room and Pedestrian Pathway. Bell mouth entry and exit is proposed along with Hi-Tech Boom Barriers with sensors. RFID cards will be used to all employees for smooth entry and exit without any security checks.Under Vehicle Surveillance System are proposed to avoid stoppage of vehicles near the entry gate. Dropoff points for taxis are proposed near the portico for quick entry and exit. Trained Security Personal will be appointed to manage the traffic efficiently. Carpooling by employees will be encouraged and suitably rewarded. Awareness on availability of public transport will also be created by listing of the Bus Numbers and their Routes. Flexi working hours will be allowed. Food courts and canteen facilities will be provided to employees to avoid traveling out of office for Food and beverages. Lobbying with concerned Government Agencies for widening of the Bellary Road will be taken up through our Public Relationship Officers.

*Observation:10.CER in specific terms.*

Reply:The Proponent submitted that they will carry on the restoration of Venkatappa Art Gallery Bengaluru. The restoration work will include repairing the museum's infrastructure, including civil repairs, public amenities, and enhancing gallery displays as per required standards to help preserve artworks. It will also include improving external landscaping. All this will be done while retaining the museum's original character. The restoration work is expected to be completed in 10 months' time.

The Committee noted the clarification and appraised the project.



The proposal is for construction of a commercial building project in an area earmarked for commercial use as per RMP of Bangalore Development Authority.

Further, the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install aerators for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 55 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 110 cum & 27cum and 10 recharge pits.
5. To grow 55 trees in the early stage before taking up of construction.
6. To source external water from KGWA approved water tankers.
7. To provide bellmouth entry and exit in the proposed project with the security and drop off point need the portico and to shift Boom Barrier inside the premises to avoid the traffic congestion on the main road.
8. To provide necessary arrangements for vehicle wheel wash and covering the loaded vehicles with tarpaulin sheet before going out of the site.
9. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
10. To install aerators to conserve water.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.24 Residential Apartment (with Club House) / Commercial Building Project at Sy.No.52/2 of Doddabettanahalli Village, Yelahanka Hobli, Bangalore North Taluk, Bengaluru Urban District by Sri Abdul Azeem – Online Proposal No.SIA/KA/INFRA2/469402/2024 (SEIAA 29 CON 2024)**

This project was considered during 311<sup>th</sup> SEAC meeting as the Proponent remained absent the Committee had defer the appraisal of the Project.

In the Present meeting the Proponent informed that due to changes in BUA, configuration they have submitted revised proposal and requested to withdraw the current proposal.

The Committee after discussion decided to recommend the proposal to SEIAA for rejection.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for necessary action.**

**314.1.25 White Quartz, Building Stone & Murram Project at Sy.Nos. 81/1, 81/2, 85/1 Part II, 85/2a, 85/2b, 85/3 & 85/4 of Appalapura Village, Sandur Taluk, Ballari District (6-10 Acres) by Sri R. Balaramudu – Online Proposal No. SIA/KA/MIN/469698/2024 (SEIAA 31 MIN 2024)**

This project was considered during 311<sup>th</sup> SEAC meeting as the Proponent remained absent and the Committee had deferred the appraisal of the Project.

In the present meeting again the Proponent remained absent. Hence, the Committee after discussion decided to defer the appraisal of the project and decided to give one more opportunity to the Proponent.

**Action: Member Secretary, SEAC to put up before SEAC in upcoming meeting.**

**314.1.26 ToR: Building Stone Quarry Project at Sy.No.204/2 of Thirthkunde Village, Khanapur Tq & Belagavi Dist. (6-00 Acres) (2.43 Ha) by M/s. Popular Crushers Pvt. Ltd. – Online Proposal No.SIA/KA/MIN/472426/2024 (SEIAA 62 MIN 2024)**

The proposal was earlier considered during 312<sup>th</sup> SEAC meeting and the Committee after discussion decided to defer the proposal for want of clarification from DMG for present site condition.

In the present meeting the Proponent submitted clarification from DMG vide letter dated 28.06.2024, informing that the pit caused while blasting in adjacent lease area with QL 1639 and mineral of about 5000 MT is stocked within the site area and Proponent has agreed to pay royalty before dispatching the mineral. The Committee noted the clarification.

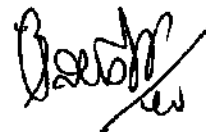
The proposal is for building stone quarry in lease area of 6-00 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained Forest NoC on 29.08.2018 and approved mining plan on 19.04.2024.

The Proponent requested the Committee to consider the following proposals 1. SEIAA 62 MIN 2024, 2. SEIAA 430 MIN 2023 & 3. SEIAA 16 MIN 2024 to issue combined ToR as the lease areas are within the same cluster.

The Committee decided to recommend the proposal to SEIAA for issue of standard combined ToR for 1. SEIAA 62 MIN 2024, 2. SEIAA 430 MIN 2023 & 3. SEIAA 16 MIN 2024 along with the following additional ToR to conduct EIA studies along with Public Hearing.

- 1.Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.
- 2.Traffic studies.
- 3.Dust mitigation methods considering nearby habitation
- 4.Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
- 5.Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
- 6.Site specific CER and afforestation details (compensatory plantation).
- 7.Waste handling details.
- 8.Details of drain and its mitigation measures.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**



**314.1.27 Proposed Modification & Expansion of API's and Intermediates Project at Plot Nos.130, 131, KIADB Raichur Growth centre, Chicksugur, Raichur Taluk, Raichur District by M/s. Red Labs Chemicals Pvt. Ltd. – Online Proposal No.SIA/KA/IND3/247607/2021 (SEIAA 68 IND 2021)**

The Proponent remained absent without intimation and hence the Committee after discussion decided to defer the appraisal of the Project.

**Action: Member Secretary, SEAC to putup before SEAC in upcoming meeting.**

**314.1.28 ToR: Building Stone (M-sand) Quarry Project at Sy.No. 200/3 of Thirthakunde Village, Khanapura Taluk, Belagavi District (5-00 Acres) by Sri Aditya Savant SIA/KA/MIN/443989/2023 (SEIAA 430 MIN 2023)**

The proposal was earlier considered during 304<sup>th</sup> SEAC meeting and as the Proponent remained absent, the Committee had deferred the project.

In the present meeting the, the Committee noted that the proposal is for building stone quarry in lease area of 5-03 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained Forest NoC on 13.09.2022 and approved mining plan on 14.08.2023.

The Committee sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that no mining has been carried out by Proponent till date and the proposed project does not attract violation. The Committee noted the clarification.

The Proponent requested the Committee to consider the following proposals 1. SEIAA 62 MIN 2024, 2. SEIAA 430 MIN 2023 & 3. SEIAA 16 MIN 2024 to issue combined ToR as the lease areas are within the same cluster.

The Committee decided to recommend the proposal to SEIAA for issue of standard combined ToR for 1. SEIAA 62 MIN 2024, 2. SEIAA 430 MIN 2023 & 3. SEIAA 16 MIN 2024 along with the following additional ToR to conduct EIA studies along with Public Hearing.

1. Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.
2. Traffic studies.
3. Dust mitigation methods considering nearby habitation
4. Clarification from DMG regarding present site condition.
5. Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
6. Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
7. Site specific CER and afforestation details (compensatory plantation).
8. Waste handling details.
9. Details of drain and its mitigation measures.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.1.29 ToR: Building Stone (M-sand) Quarry Project at Sy.No.122/2, 3 & 4 (P) of Ranakunde Village, Belagavi Taluk & District (9-00 Acres) by Sri Anant K Savant SIA/KA/MIN/444039/2023 (SEIAA 431 MIN 2023)**

The proposal was earlier considered during 304<sup>th</sup> SEAC meeting and as the Proponent remained absent, the Committee had deferred the project.

In the present meeting the, the Committee noted that the proposal is for building stone quarry in lease area of 9-00 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained Forest NoC on 22.03.2022 and approved mining plan on 14.08.2023.

The Committee sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that no mining has been carried out by Proponent till date and the proposed project does not attract violation. The Committee noted the clarification.

The Committee decided to recommend the proposal to SEIAA for issue of standard ToR for along with the following additional ToR to conduct EIA studies along with Public Hearing.

1. Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.
2. Traffic studies.
3. Dust mitigation methods considering nearby habitation
4. Clarification from DMG regarding present site condition.
5. Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
6. Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
7. Site specific CER and afforestation details (compensatory plantation).
8. Waste handling details.
9. Details of drain and its mitigation measures.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

### **DEFERRED EIA**

**314.1.30 Amendment in Environmental Clearance to include Red Category Industries at Dobaspet 4<sup>th</sup> Phase Industrial Area in the Villages of Yedehalli, Chandana Hosahalli, Honnenahalli, Kengal Kempohalli, Avverahalli, K.G.Srinivasapura, Billanakote, Nelamangala Taluk, Bangalore Rural District by KIADB-DABASPET – NELAMANGALA (SEIAA 20 IND 2017)**

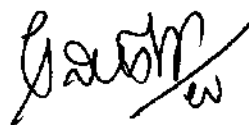
The proposal for appraisal of B1 category project for modification of EC issued by SEIAA on 27.08.2015 for inclusion of red category industries in the KIADB area, for which ToR was issued by SEIAA on 03.04.2018 and PH was conducted on 26.09.2018 and EIA report was submitted on 25.03.2019.

The following are the earlier deliberation by SEAC/SEIAA,

- The project was earlier considered during 252<sup>nd</sup> SEAC Meeting and the Committee had deliberated the following,

*'The Proponent has obtained Environmental Clearance for the above said proposal on 27-08-2015, and is seeking amendment to EC to include Red category industries at Dobaspet 4<sup>th</sup> phase Industrial Area. As per the TGR Notification, Dated: 18-11-2003, the entire area of Dobaspet 4<sup>th</sup> phase falls under Zone-I.*

*In this regard, the Proponent has applied for EC amendment. The proponent and Environmental consultant attended the meeting of SEAC to provide required clarification/additional information.*



*While appraising the proposal the proponent has stated that the lands for this project have been acquired beyond 100 meters from the habitat as per the guidelines of C&I Department. The proponent has also stated that in case of water bodies the lands have been acquired up to the edge of water bodies and while preparing the development plan, he has left buffer as per NGT order of dated: 4<sup>th</sup> May 2016. The committee deliberated on the siting guidelines for setting up of Red category industries and found that the proponent has failed to furnish the required information.*

*The proponent also submitted that while allotting land to the industries they will impose conditions to compulsorily install effluent treatment plant with zero liquid discharge, to maintain the air emission within the prescribed standards of the Central Pollution Control Board and to dispose the hazardous waste such as ETP sludge etc., to the authorized processing agencies.*

*In the light of the above observations, the committee decided to recall the proponent after submission of the following information.*

- 1). To furnish the information to meet the siting guidelines for setting up of Red category industries as stipulated by MoEF & CC/CPCB.*
- 2). The actual distance between the habitat (minimum/maximum distance) and the acquired lands is to be assessed properly and submitted.*
- 3). If any expansion of the village beyond the gramathana limits has taken place, the same has to be reported citing maximum and minimum distances from the expanded portion.*
- 4). The list and nature of industries for which the land has been allotted with the pollution potential is to be submitted.*
- 5). Baseline studies should be made afresh and to be submitted.*
- 6). Submit the compliance to the earlier EC issued.*

*The proponent has submitted the replies vide letter dated: 5-3-2018*

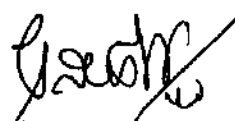
*The subject is placed before the committee for appraisal.*

*The Proponent and NABET Accredited Consultant M/s. ABC Techno Labs India Pvt. Ltd., Chennai (represented by Sri. Rajendran) attended the meeting to provide clarification/additional information.*

*The committee perused the reply submitted by the proponent and observed the following:*

- 1). The proponent has failed to furnish the information regarding meeting the siting guidelines for establishing Red category industries as stipulated by MoEF & CC /CPCB.*
- 2). Non compliance of the earlier E.C conditions dated 27-8-2015, particularly the establishment of CETP.*

*The Committee after discussion decided to appraise the proposal as B1 and had decided to recommend the proposal to SEIAA for issue Standard ToR for conducting EIA study in accordance with EIA Notification 2006 along with relevant guidelines. The committee also decided to prescribe the following additional ToRs:*



- 1) *The types of red category industries, area earmarked for red category industries with due justification, their pollution potential such as water intensive, air polluting, engineering industries, different infrastructure provided, pollution control/mitigation measures proposed including green belt development.*
- 2) *Measures proposed to ensure the water flow to the T.G. Halli reservoir remains unaltered qualitatively and quantitatively.*
- 3) *Details of the area covered under T.G. Halli Notification duly marking it on the proposed layout plan.*
- 4) *Impact of the proposed activity on the farming community.*
- 5) *Full compliance to earlier E.C conditions along with certified report of the status of compliance of the condition stipulated in the EC from the Regional officer, MoEF, GOI.*

*Accordingly ToRs were issued on 3-4-2018. The proponent has submitted the EIA report on 5-4-2019.*

*The EIA report was placed before the committee for Appraisal. The proponent and Environment Consultant attended the 222<sup>nd</sup> meeting held on 10-5-2019 for EIA appraisal.*

*As seen from the documents submitted, the concerns expressed by the public during public hearing have not been addressed properly that too the concerns pertaining to environmental concerns are to be reasoned out properly for this the proponent has agreed to come back after addressing these concerns effectively. Hence the committee decided to defer.*

*The proponent has submitted the replies vide letter dated:11-6-2019. The proponent was invited for the 228<sup>th</sup> meeting to provide additional clarification. The proponent has requested for more time to make a presentation.*

*Hence the committee decided to defer the subject.*

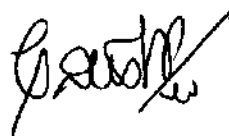
*The proponent and Environment Consultant attended the 229<sup>th</sup> meeting held on 28<sup>th</sup> August 2019 to provide required clarification. The committee noted that as far as the foul smell emanating in the surroundings as expressed by the public, the KIADB has said that this foul smell emanation is from M/s. Ramky Hazardous Waste processing unit which is located in other phase of Dabaspeta and not connected to this layout and KIADB has given an undertaking that they will initiate suitable action if they found any lapses in the operation of the unit.*

*The committee after discussion and deliberation decided to reconsider after submission of the following information.*

*List the status of fauna and flora found within 10 KMs aerial distance/15 KMs study area as per IUCN and wildlife (protection) Act 1972 and if there are any schedule-I and RET species prepare Biodiversity protection and conservation action plan in consultation with Forest Authorities and submit along with budget and to implement in a time bound.*

*The replies submitted by the proponent were placed before the 252<sup>nd</sup> SEAC meeting held on 27.08.2020 for reconsideration.*

*The replies submitted by the proponent were perused. After discussion and deliberation committee accepted the replies submitted by the proponent and decided to recommend the proposal to SEIAA for issue of Environmental clearance."*



- The Authority during its 191<sup>st</sup> SEIAA meeting had referred back the proposal informing,

*"Karnataka Industrial Areas Development Board have applied for amendment in Environmental Clearance issued for establishment of Dobaspet 4<sup>th</sup> Phase Industrial Area, in the villages of Yedehalli, Chan dana Hosahalli, Honnenahalli, Kengal Kempohalli, Avverahalli, K G Srinivasapura, Billanakote, Nelamangala Taluk, Bengaluru Rural District including Red Category Industries also.*

*The Proponent had obtained Environmental Clearance for the above said proposal vide letter No.SEIAA 1 IND 2013 dated 27-08-2015 for establishment of Orange and green category industries on a total plot area of 891.26 Acres (360.68 Ha).*

*The subject was discussed in the SEAC meeting held on 25.11.2017. While appraising the proposal the proponent has stated that the lands for this project have been acquired beyond 100 meters from the habitat as per the guidelines of C&I Department. The proponent has also stated that in case of water bodies the lands have been acquired up to the edge of water bodies and while preparing the development plan, he has left buffer as per NGT order of dated: 4<sup>th</sup> May 2016. The committee deliberated on the siting guidelines for setting up of Red category industries and found that the proponent has failed to furnish the required information. The proponent also submitted that while allotting land to the industries they will impose conditions to compulsorily install effluent treatment plant with zero liquid discharge, to maintain the air emission within the prescribed standards of the Central Pollution Control Board and to dispose the hazardous waste such as ETP sludge etc., to the authorized processing agencies. The committee decided to recall the proponent after submission of the following information.*

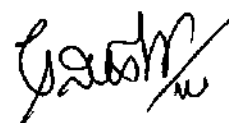
- 1) To furnish the information to meet the siting guidelines for setting up of Red category industries as stipulated by MoEF & CC/CPCB.*
- 2) The actual distance between the habitat (minimum/maximum distance) and the acquired lands is to be assessed properly and submitted.*
- 3) If any expansion of the village beyond the gramathana limits has taken place, the same has to be reported citing maximum and minimum distances from the expanded portion.*
- 4) The list and nature of industries for which the land has been allotted with the pollution potential is to be submitted.*
- 5) Baseline studies should be made afresh and to be submitted.*
- 6) Submit the compliance to the earlier EC issued.*

*The committee in the meeting held on 15.03.2018 perused the reply submitted by the proponent vide letter dated: 5-3-2018 and observed the following:*

- 1) The proponent has failed to furnish the information regarding meeting the siting guidelines for establishing Red category industries as stipulated by MoEF & CC /CPCB.*
- 2) Non compliance of the earlier E.C conditions dated 27-8-2015, particularly the establishment of CETP.*

*The Committee after discussion decided to appraise the proposal as B1 and had decided to recommend the proposal to SEIAA for issue Standard ToR with additional ToR for conducting ELA study in accordance with EIA Notification 2006 along with relevant guidelines. The Authority during the meeting held on 24.03.2018 decided to issue ToR as recommended by SEAC for conducting the Environment Impact Assessment study in accordance with EIA Notification, 2006.*

*Accordingly, ToRs were issued vide letter dated 3-4-2018. The proponent has submitted the EIA report on 5-4-2019.*

*The EIA report was placed before the committee for Appraisal in the meeting held on 10-5-2019. As seen from the documents submitted, the concerns expressed by the public during public hearing have not been addressed properly that too the concerns pertaining to environmental concerns are to be reasoned out properly for this the proponent has agreed to come back after addressing these concerns effectively. Hence the committee decided to defer.*

*The proponent has submitted the replies vide letter dated: 11-6-2019. The proponent was invited for the SEAC meeting held on 7.8.2019 to provide additional clarification. The proponent has requested for more time to make a presentation. Hence the committee decided to defer the subject.*

*The proponent and Environment Consultant attended the 229<sup>th</sup> meeting held on 28<sup>th</sup> August 2019 to provide required clarification. The committee noted that as far as the foul smell emanating in the surroundings as expressed by the public, the KIADB has said that this foul smell emanation is from M/s. Ramky Hazardous Waste processing unit which is located in other phase of Dabaspeta and not connected to this layout and KIADB has given an undertaking that they will initiate suitable action if they found any lapses in the operation of the unit. The committee after discussion and deliberation decided to reconsider after submission of the following information.*

*List the status of fauna and flora found within 10 KMs aerial distance/15 KMs study area as per IUCN and wildlife (protection) Act 1972 and if there are any schedule-I and RET species prepare Biodiversity protection and conservation action plan in consultation with Forest Authorities and submit along with budget and to implement in a time bound.*

*The replies submitted by the proponent were placed before the 252<sup>nd</sup> SEAC meeting held on 27.08.2020 for reconsideration. The Committee perused the replies submitted by the proponent. After discussion and deliberation committee accepted the replies submitted by the proponent and decided to recommend the proposal to SELAA for issue of Environmental clearance.*

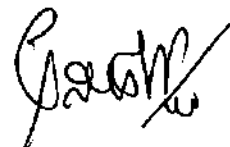
*The Authority perused the proposal and took note of the recommendation of SEAC. The Authority noted that the concerns expressed by the public at large and the institutions located in the area are not properly addressed. Given the location sensitivity and keeping the sanctity and importance of protecting Tippagondanahalli Reservoir which is a drinking water source for Bangalore City from any possibility of pollution, the Authority opined that the proponent can think of alternative site for red category activity reserving the industrial area in question only for green and orange category is suggestive.*

*The Authority therefore decided to refer the file back to SEAC to appraise the proposal considering the above observation and send recommendation deemed fit from the point of view of environmental sustainability."*

- The Committee in its 269<sup>th</sup> SEAC meeting had deferred the proposal informing,

*"This proposal was appraised during 252<sup>nd</sup> SEAC meeting and decided to recommend the proposal for issue of Environmental Clearance.*

*The Authority during perused the proposal during 191<sup>st</sup> SELAA meeting and took note of the recommendation of SEAC. The Authority noted that the concerns expressed by the public at large and the institutions located in the area are not properly addressed. Given the sensitivity of the location and keeping the sanctity and importance of protecting Tippagondanahalli Reservoir which is a drinking water source for Bangalore City from any possibility of pollution, the Authority opined that the proponent can think of alternative site for red category activity reserving the industrial area in question only for green and orange category which is suggestive.*



*The Authority therefore decided to refer the file back to SEAC to appraise the proposal considering the above observation and send recommendation deemed fit from the point of view of environmental sustainability.*

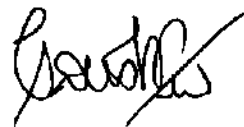
*During appraisal the committee suggested the proponent to submit the following information to continue with the appraisal and decided to defer the appraisal of the project proposal.*

- 1) Compliance to the concerns expressed during public hearing.*
- 2) List of existing industries located within the industrial area.*
- 3) Commitment towards establishment of CETP.*
- 4) Explore the possibility of Alternative site for red category industries*
- 5) Hydrological study by considering the Arkavathi River and TGR catchment area."*

In the present meeting the Proponent informed that they had submitted information regarding the earlier clarification sought by the Committee.

The Committee initially sought clarification regarding the existing industries located within the industrial area. The Proponent informed that presently orange, green and few red category industries are existing in the industrial area. The Committee noted the clarification and after detailed discussion decided to categorise the proposal as violation of EC, as the Proponent had allowed red category industries against the EC condition and decided to forward the proposal to SEIAA for further necessary action.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**



**314<sup>th</sup> SEAC Meeting 2<sup>nd</sup> Day Proceedings**

**Members present in the meeting held on 19<sup>th</sup> July - 2024**

|    |                         |                  |
|----|-------------------------|------------------|
| 1. | Shri Mahesh A.N.        | Chairman         |
| 2. | Shri Ravi Kumar Yadav,  | Member           |
| 3. | Dr. Balakrishna S,      | Member           |
| 4. | Shri Shivappa Naik,     | Member           |
| 5. | Shri K H Nagaraj,       | Member           |
| 6. | Shri Sadiq Ahmed,       | Member           |
| 7. | Shri Dhruva Kumara B Y, | Member           |
| 8. | Shri. R Gokul, IFS      | Member Secretary |

**314.2.1 Development of Integrated Solid Waste & Disposal Facility Project at Sy.Nos.75, 77/1 and 77/2, Kutanooru Village, Gundlupet Taluk, Chamarajanagara District by GUNDLUPET TMC – Online Proposal No.SIA/KA/INFRA2/436968/2023 (SEIAA 41 IND 2021)**

The proposal is for establishment of CMSWMF with capacity of 45TPD in an area of 12-28 Acres, for which SEIAA had issued ToR on 15.11.2021 and PH was conducted on 06.09.2022.

The Committee during appraisal observed following shortcoming in EIA report submitted by Proponent,

1. Air modelling not evident, the PP has to run the air & noise modelling and incorporate in the EIA report.
2. Land fill design in presentation and EIA is different.
3. Detail of year wise planning for the next five years.
4. Improvement to approach road by asphaltting or concreting.
5. Correction of units in various reports.
6. As per village map, 1 primary & 1 secondary nallah started from that area: need a stringent Storm water management plan.
7. For Noise & Odour control through a bio Enzyme based treatment to be adopted.
8. Detailed plan of Maintenance & sustenance plan to be elaborated
9. Ground water quality monitoring for toxicity test to be incorporated.
10. Non-biodegradable MSW planned to send to Power plant, more details of the nearby power plant
11. Compliance to DMG letter conditions to be complied.
12. Most of the report at advisory in nature, not evident as study report.

Hence, the Committee after discussion decided to defer the proposal and informed the Proponent to submit the above details.

**Action: Member Secretary, SEAC to put up before SEAC after submission of clarification sought.**

**314.2.2 "Expansion of manufacturing of MS Billets from 7,000 TPM (84,000 TPA) to 14,000 TPM (1,68,000 TPA) by increasing induction furnace capacity from 25 Tonnes to 30 Tonnes and establishment of Rolling Mill with production capacity of 15,000 TPM (1,80,000 TPA)" within the existing industry premises at the above-mentioned location at Survey Numbers 84/1A, 84/1B, 84/1C, 84/2, 84/3, 84/4, 84/5, 84/6, 84/7, 83/5A, 83/5B, 83/5C, 83/3, 83/4, 82/1A, 82/1B, 82/1C and 82/2 of Kallanayakanahalli Village, Hutridurga Hobli, Kunigal Taluk, Tumkur District by M/s. M. S. Metals & Steels Pvt. Ltd. – Online Proposal No.SIA/KA/IND1/468454/2024 (SEIAA 25 IND 2023)**

**About the Project:**

| Sl.No | PARTICULARS                                                                               | INFORMATION Provided by PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Name & Address of the Project Proponent                                                   | Sri Sachin B Rathod, Director<br>401, Navkar Commercial Complex, Opp. Andheri Court, Court Lane, Andheri East, Mumbai, Mumbai City, Maharashtra, India, 400069                                                                                                                                                                                                                                                                                                                                         |
| 2     | Name & Location of the Project                                                            | Expansion of MS Billets production from 7,000 TPM (84,000 TPA) to 14,000 TPM (1,68,000 TPA) by increasing the induction furnace capacity from 25 Tonnes to 30 Tonnes & proposing for establishment of Rolling Mill facility with production capacity of 15,000 TPM (1,80,000 TPA).<br>Sy. Nos. 84/1A, 84/1B, 84/1C, 84/2, 84/3, 84/4, 84/5, 84/6, 84/7, 83/5A, 83/5B, 83/5C, 83/3, 83/4, 82/1A, 82/1B, 82/1C and 82/2 of Kallanayakanahalli Village, Hutridurga Hobli, Kunigal Taluk & Tumkur District |
| 3     | Environmental Sensitivity                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|       | a Distance From nearest Lake/ River/ Nala                                                 | Nala - adjacent to the project boundary (W & S)<br>Lake in NW direction – 60 m<br>Lake in NE direction – 20 m<br>Anchepalya Lake - 0.8 km (NW)<br>Yaliur Lake - 1.1 km (S)<br>Talekere Lake - 2.3 km (NE)<br>Kunigal Lake - 3.5 km (NW)                                                                                                                                                                                                                                                                |
|       | b Distance from Protected area notified under wildlife protection act                     | No Protected area notified under wildlife protection act within 10 km radius from the project site                                                                                                                                                                                                                                                                                                                                                                                                     |
|       | c Distance from the interstate boundary                                                   | 68.22 km (Karnataka – Tamil Nadu Boundary (SE))                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|       | d whether located in critically / severally polluted area as per the CPCB norms           | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5     | Type of Development as per schedule of EIA Notification, 2006 with relevant serial number | Category B [3(a)] as per EIA Notification 2006                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 6     | New/ Expansion/ Modification/                                                             | Expansion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 7     | Plot Area (Sqm)                                                                           | 64,749.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 8     | Built Up area (Sqm)                                                                       | Existing - 10,521.8<br>Proposed – 11,857.3<br>Total - 22,379.1                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Sl.No | PARTICULARS                                                                     |                      | INFORMATION Provided by PP                                                                                                                                        |                              |                |                |          |           |        |   |                   |             |        |          |          |                                                    |
|-------|---------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------|----------------|----------|-----------|--------|---|-------------------|-------------|--------|----------|----------|----------------------------------------------------|
| 9     | Component of developments                                                       |                      | MS Billetsproduction – Expanding from 7,000 TPM (84,000 TPA) to 14,000 TPM (1,68,000 TPA)<br>Establishment of Rolling Mill (TMT Bars) – 15,000 TPM (1,80,000 TPA) |                              |                |                |          |           |        |   |                   |             |        |          |          |                                                    |
| 10    | Project cost (Rs. In crores)                                                    |                      | 69.50                                                                                                                                                             |                              |                |                |          |           |        |   |                   |             |        |          |          |                                                    |
| 11    | Details of Land Use (Sqm)                                                       |                      |                                                                                                                                                                   |                              |                |                |          |           |        |   |                   |             |        |          |          |                                                    |
|       | a.                                                                              | Ground Coverage Area | Sl. No                                                                                                                                                            | Land Description             | Area (Sqm)     |                |          | Area in % |        |   |                   |             |        |          |          |                                                    |
|       | b.                                                                              | Kharab Land          |                                                                                                                                                                   |                              | Existing       | Proposed       | Total    |           |        |   |                   |             |        |          |          |                                                    |
|       | c.                                                                              | Internal Roads       |                                                                                                                                                                   |                              |                |                |          |           |        |   |                   |             |        |          |          |                                                    |
|       | d.                                                                              | Paved area           |                                                                                                                                                                   |                              |                |                |          |           |        |   |                   |             |        |          |          |                                                    |
|       | e.                                                                              | Parking              |                                                                                                                                                                   |                              |                |                |          |           |        |   |                   |             |        |          |          |                                                    |
|       | f.                                                                              | Green belt           |                                                                                                                                                                   |                              |                |                |          |           |        |   |                   |             |        |          |          |                                                    |
|       | g.                                                                              | Others Specify       | 1                                                                                                                                                                 | Ground Coverage              | 10,521.8       | +11,857.3      | 22,379.1 | 34.6      |        |   |                   |             |        |          |          |                                                    |
|       |                                                                                 |                      | 2                                                                                                                                                                 | Nala Buffer area (Greenbelt) | 12,000         | --             | 12,000   | 35.0      |        |   |                   |             |        |          |          |                                                    |
|       |                                                                                 |                      |                                                                                                                                                                   | Greenbelt                    | 10,662.5       |                | 10,662.5 |           |        |   |                   |             |        |          |          |                                                    |
|       |                                                                                 |                      | 3                                                                                                                                                                 | Road, Parking& Open Area     | 19,708.2       | --             | 19,708.2 | 30.4      |        |   |                   |             |        |          |          |                                                    |
|       |                                                                                 |                      | 4                                                                                                                                                                 | Vacant Area                  | 11,857.3       | 11,857.3       | 0        | 0         |        |   |                   |             |        |          |          |                                                    |
|       |                                                                                 |                      |                                                                                                                                                                   | Total                        | 64,749.8       | 0              | 64,749.8 | 100       |        |   |                   |             |        |          |          |                                                    |
|       | h.                                                                              | Total                |                                                                                                                                                                   |                              |                |                |          |           |        |   |                   |             |        |          |          |                                                    |
| 12    | Products and By- Products with quantity (enclose as Annexure if necessary )     |                      | Sl. No.                                                                                                                                                           | Product                      | Quantity (MTA) |                |          |           |        |   |                   |             |        |          |          |                                                    |
|       |                                                                                 |                      | Existing                                                                                                                                                          |                              | Proposed       | Total          |          |           |        |   |                   |             |        |          |          |                                                    |
|       |                                                                                 |                      | 1                                                                                                                                                                 | MS Billets                   | 84,000         | 84,000         | 1,68,000 |           |        |   |                   |             |        |          |          |                                                    |
| 2     | Rolling Mill (TMT Bars)                                                         | -                    | 1,80,000                                                                                                                                                          | 1,80,000                     |                |                |          |           |        |   |                   |             |        |          |          |                                                    |
| 13    | Raw material with quantity and their source (enclose as Annexure if necessary ) |                      | Sl. No                                                                                                                                                            | Units                        | Raw Material   | Quantity (MTA) |          |           | Source |   |                   |             |        |          |          |                                                    |
|       |                                                                                 |                      |                                                                                                                                                                   |                              |                | Existing       | Proposed | Total     |        |   |                   |             |        |          |          |                                                    |
|       |                                                                                 |                      |                                                                                                                                                                   |                              |                |                |          |           |        | 1 | Induction Furnace | Sponge Iron | 48,300 | 48,300   | 96,600   | Local Market                                       |
|       |                                                                                 |                      |                                                                                                                                                                   |                              |                |                |          |           |        |   |                   | Pig iron    | 1,932  | 1,932    | 3,864    | Local Market                                       |
|       |                                                                                 |                      |                                                                                                                                                                   |                              |                |                |          |           |        |   |                   | Scrap       | 46,368 | 46,368   | 92,736   | Local Market/ Mill/Crusher                         |
|       |                                                                                 |                      |                                                                                                                                                                   |                              |                |                |          |           |        | 2 | Rolling Mill      | Billets     | -      | 1,89,474 | 1,89,474 | Captive production of billet with 1,68,000 TPA and |

| Sl.No | PARTICULARS                                                                            | INFORMATION Provided by PP                                                                                           |  |  |  |  |  |                                                            |
|-------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|------------------------------------------------------------|
|       |                                                                                        |                                                                                                                      |  |  |  |  |  | additional<br>21,474<br>TPA<br>from<br>external<br>sources |
| 14    | Mode of transportation of Raw material and storage facility                            | Mode of transportation: Road<br>Storage facility: Raw material storage shed of area 990 Sqm within the project site  |  |  |  |  |  |                                                            |
| 15    | Transportation and storage facility for coal / Bio-fuel in case of thermal power plant | No thermal power plant proposed                                                                                      |  |  |  |  |  |                                                            |
| 16    | Fly ash production, storage and disposal details whereas coal is used as fuel          | Induction furnaces are used for producing billets. No use of coal for the production of billets.                     |  |  |  |  |  |                                                            |
| 17    | WATER                                                                                  |                                                                                                                      |  |  |  |  |  |                                                            |
|       | I. Construction Phase                                                                  |                                                                                                                      |  |  |  |  |  |                                                            |
|       | a. Source of water                                                                     | Existing bore well                                                                                                   |  |  |  |  |  |                                                            |
|       | b. Quantity of water for Construction in KLD                                           | 5                                                                                                                    |  |  |  |  |  |                                                            |
|       | c. Quantity of water for Domestic Purpose in KLD                                       | 2.25                                                                                                                 |  |  |  |  |  |                                                            |
|       | d. Waste water generation in KLD                                                       | 2.0                                                                                                                  |  |  |  |  |  |                                                            |
|       | e. Treatment facility proposed and scheme of disposal of treated water                 | Septic tank followed by Soak pit                                                                                     |  |  |  |  |  |                                                            |
|       | II Operational Phase                                                                   |                                                                                                                      |  |  |  |  |  |                                                            |
|       | a. Source of water                                                                     | Bore Well                                                                                                            |  |  |  |  |  |                                                            |
|       | b. Total Requirement of Water in KLD                                                   | 285 (Existing - 110, Proposed - 175)                                                                                 |  |  |  |  |  |                                                            |
|       | c. Requirement of water for industrial purpose / production in KLD                     | 240 (Existing – 86, Proposed - 154)                                                                                  |  |  |  |  |  |                                                            |
|       | d. Requirement of water for domestic purpose in KLD                                    | 20 (Existing – 14, Proposed - 6)                                                                                     |  |  |  |  |  |                                                            |
|       | e. Waste water generation in KLD                                                       | 16 (Existing – 11.2, Proposed – 4.8)                                                                                 |  |  |  |  |  |                                                            |
|       | f. ETP/ STP capacity                                                                   | STP of Capacity 25 KLD                                                                                               |  |  |  |  |  |                                                            |
|       | g. Technology employed for Treatment                                                   | Sequential Batch Reactor Technology                                                                                  |  |  |  |  |  |                                                            |
|       | h. Scheme of disposal of excess treated water if any                                   | Treated water from STP will be used for gardening.                                                                   |  |  |  |  |  |                                                            |
| 18    | Infrastructure for Rain water harvesting                                               | Rain water tanks of 2X80 KL will be provided with 2 days storage.<br>Storm water collection pond of capacity 400 cum |  |  |  |  |  |                                                            |
| 19    | Storm water management plan                                                            | Runoff from roads, open area and landscape area will be channelized to storm water collection pond of                |  |  |  |  |  |                                                            |

| Sl.No    | PARTICULARS                                                      |          | INFORMATION Provided by PP                                       |                                            |                   |                    |                                        |                            |
|----------|------------------------------------------------------------------|----------|------------------------------------------------------------------|--------------------------------------------|-------------------|--------------------|----------------------------------------|----------------------------|
|          |                                                                  |          | capacity 400 cum (200 sqm x 2 m depth)                           |                                            |                   |                    |                                        |                            |
| 20       | Air Pollution                                                    |          |                                                                  |                                            |                   |                    |                                        |                            |
| a        | Sources of Air pollution                                         | SL no.   | Stack attached to                                                | Fuel used                                  | Fuel Consumption  | Number Of stacks   | Stack height                           |                            |
|          |                                                                  | Existing |                                                                  |                                            |                   |                    |                                        |                            |
|          |                                                                  | 1        | DG Set 1X600 KVA                                                 | HSD                                        | 128 L/hr          | 1                  | 19 m AGL                               |                            |
|          |                                                                  | 2        | Induction furnace 25 T                                           | -                                          | -                 | 1                  | 33 m AGL                               |                            |
|          |                                                                  | 3        | Induction furnace 25 T (Stand by)                                | -                                          | -                 | 1                  |                                        |                            |
|          |                                                                  | Proposed |                                                                  |                                            |                   |                    |                                        |                            |
|          |                                                                  | 4        | Induction furnace 30 T (Replaced the existing induction furnace) | -                                          | -                 | 1                  | 36 m AGL                               |                            |
|          |                                                                  | 5        | Induction furnace 30 T (Stand by)                                | -                                          | -                 | 1                  |                                        |                            |
|          |                                                                  | 6        | Reheating Furnace 25 T                                           | Pulverized Coal                            | 30 TPD            | 1                  | 30 m AGL                               |                            |
|          |                                                                  | b        | Composition of Emissions                                         | Sl. no.                                    | Stack attached to |                    | Constituents to be controlled          |                            |
| Existing |                                                                  |          |                                                                  |                                            |                   |                    |                                        |                            |
| 1        | DG Set 1X600 KVA                                                 |          |                                                                  | SO <sub>2</sub> , NO <sub>x</sub> , PM     |                   |                    |                                        |                            |
| 2        | Induction furnace 25 T                                           |          |                                                                  | PM                                         |                   |                    |                                        |                            |
| 3        | Induction furnace 25 T (Stand by)                                |          |                                                                  |                                            |                   |                    |                                        |                            |
| Proposed |                                                                  |          |                                                                  |                                            |                   |                    |                                        |                            |
| 4        | Induction furnace 30 T (Replaced the existing induction furnace) |          |                                                                  | PM                                         |                   |                    |                                        |                            |
| 5        | Induction furnace 30 T (Stand by)                                |          |                                                                  |                                            |                   |                    |                                        |                            |
| 6        | Reheating Furnace 25 T                                           |          |                                                                  | SO <sub>2</sub> , NO <sub>x</sub> , PM, CO |                   | 30 m AGL           |                                        |                            |
| c        | Air pollution control measures proposed and technology employed  |          |                                                                  | Sl. no.                                    | Stack attached to | Fuel used          | Fuel Consumption                       | Air Pollution Control unit |
|          |                                                                  | Existing |                                                                  |                                            |                   |                    |                                        |                            |
|          |                                                                  | 1        | DG Set 1X600                                                     | HSD                                        | 124.8 L/hr        | Acoustic Enclosure | SO <sub>2</sub> , NO <sub>x</sub> , PM |                            |

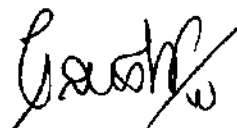
| Sl.No | PARTICULARS      |                                                              | INFORMATION Provided by PP                                                                                                                                                                                                                     |                                                                   |                        |           |                          |                                            |  |
|-------|------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------|-----------|--------------------------|--------------------------------------------|--|
|       |                  |                                                              |                                                                                                                                                                                                                                                | KVA                                                               |                        |           | re                       |                                            |  |
|       |                  |                                                              | 2                                                                                                                                                                                                                                              | Induction furnace 25 T                                            | -                      | -         | Dust Collector/ Scrubber | PM                                         |  |
|       |                  |                                                              | 3                                                                                                                                                                                                                                              | Induction furnace 25 T (Stand by)                                 | -                      | -         |                          |                                            |  |
|       |                  |                                                              | Proposed                                                                                                                                                                                                                                       |                                                                   |                        |           |                          |                                            |  |
|       |                  |                                                              | 4                                                                                                                                                                                                                                              | Induction furnace 30 T (Replaced the existing induction furnace ) | -                      | -         | Dust Collector/ Scrubber | PM                                         |  |
|       |                  |                                                              | 5                                                                                                                                                                                                                                              | Induction furnace 30 T (Stand by)                                 | -                      | -         |                          |                                            |  |
|       |                  |                                                              | 6                                                                                                                                                                                                                                              | Reheating Furnace 25 T                                            | Pulverized Coal        | 30 TPD    | Dust Collector/ Scrubber | SO <sub>2</sub> , NO <sub>x</sub> , PM, CO |  |
| 21    | Noise Pollution  |                                                              |                                                                                                                                                                                                                                                |                                                                   |                        |           |                          |                                            |  |
|       | a.               | Sources of Noise pollution                                   | DG Sets, Steel Melting Shop, Rolling Mill, Vehicles                                                                                                                                                                                            |                                                                   |                        |           |                          |                                            |  |
|       | b.               | Expected levels of Noise pollution in dB                     | Below 75 dB (A)                                                                                                                                                                                                                                |                                                                   |                        |           |                          |                                            |  |
|       | c.               | Noise pollution control measures proposed                    | Acoustic enclosures are provided with DG sets.<br>Greenbelt development in and around the plant area<br>Personal protective equipment's (PPEs) such as earplugs and earmuffs to all workers<br>Regular maintenance of vehicles will be ensured |                                                                   |                        |           |                          |                                            |  |
| 22    | WASTE MANAGEMENT |                                                              |                                                                                                                                                                                                                                                |                                                                   |                        |           |                          |                                            |  |
|       | I.               | Operational Phase                                            |                                                                                                                                                                                                                                                |                                                                   |                        |           |                          |                                            |  |
|       | a.               | Quantity of Solid waste generated per day and their disposal | Sl No                                                                                                                                                                                                                                          | Solid waste                                                       | Quantity               |           |                          | Mode of disposal                           |  |
|       |                  |                                                              |                                                                                                                                                                                                                                                |                                                                   | Existin g              | Propo sed | Total                    |                                            |  |
|       |                  |                                                              |                                                                                                                                                                                                                                                |                                                                   | Solid Waste Industrial |           |                          |                                            |  |

| SLNo | PARTICULARS                             |                                                                                      | INFORMATION Provided by PP                                                                                                                                                                                                                                                                                                                    |                                                                                            |              |                                                                                            |        |                                                                                                                  |
|------|-----------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------|
|      | b                                       | Quantity of Hazardous Waste generation with source and mode of Disposal as per norms | 1                                                                                                                                                                                                                                                                                                                                             | Slag                                                                                       | 12,600       | 12,600                                                                                     | 25,200 | Sold to authorized vendors/cement block producers/filling Low laying areas.                                      |
|      | c.                                      | Quantity of E waste generation with source and mode of Disposal as per norms         | 2                                                                                                                                                                                                                                                                                                                                             | Mill Scale                                                                                 | —            | 1,895                                                                                      | 1,895  | Sold to authorized vendors                                                                                       |
|      |                                         |                                                                                      | 3                                                                                                                                                                                                                                                                                                                                             | Scrap                                                                                      | —            | 4,737                                                                                      | 4,737  | Used as raw material in Induction Furnace                                                                        |
|      |                                         |                                                                                      | Solid Waste Domestic                                                                                                                                                                                                                                                                                                                          |                                                                                            |              |                                                                                            |        |                                                                                                                  |
|      |                                         |                                                                                      | 4                                                                                                                                                                                                                                                                                                                                             | Domestic                                                                                   | 20           | 25                                                                                         | 45     | The organic waste will be managed at the site. The inorganic solid waste is handed over to authorized recyclers. |
|      |                                         |                                                                                      | Hazardous waste                                                                                                                                                                                                                                                                                                                               |                                                                                            |              |                                                                                            |        |                                                                                                                  |
|      |                                         |                                                                                      | 6                                                                                                                                                                                                                                                                                                                                             | Used Spent Oil                                                                             | 0.1 KL/Annum | Shall be collected in leak proof containers and disposed to KSPCB authorized re-processors |        |                                                                                                                  |
|      | 7                                       | Waste residues containing oil                                                        | 0.1 MT/A                                                                                                                                                                                                                                                                                                                                      | Shall be collected in leak proof containers and disposed to KSPCB authorized re-processors |              |                                                                                            |        |                                                                                                                  |
| 23   | Risk Assessment and disaster management |                                                                                      | Risk Assessment and disaster management plan has been prepared. An Emergency Control Room (ECR) is established from which emergency operations are directed and coordinated. Training was given to all workers and all emergency aids were provided within the industry. An onsite emergency plan also prepared and followed by the industry. |                                                                                            |              |                                                                                            |        |                                                                                                                  |
| 24   | POWER                                   |                                                                                      |                                                                                                                                                                                                                                                                                                                                               |                                                                                            |              |                                                                                            |        |                                                                                                                  |
|      | a.                                      | Total Power Requirement in the Operational Phase with source                         | Power requirement: 23 MW (10.5 MW Existing and 12.5 MW Proposed)<br>Source: Solar Power Plant/Bangalore Electricity Supply Company (BESCOM)                                                                                                                                                                                                   |                                                                                            |              |                                                                                            |        |                                                                                                                  |
|      | b.                                      | Numbers of DG set and capacity in KVA for Standby Power Supply                       | 1 x 600 kVA                                                                                                                                                                                                                                                                                                                                   |                                                                                            |              |                                                                                            |        |                                                                                                                  |
|      | c.                                      | Details of Fuel used with purpose such as boilers, DG,                               | D.G. set – (1 X 600 KVA)- HSD<br>Reheating Furnace (25 T) -Pulverized Coal                                                                                                                                                                                                                                                                    |                                                                                            |              |                                                                                            |        |                                                                                                                  |

| SLNo | PARTICULARS                                                                                                           | INFORMATION Provided by PP                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | Furnace, TFH, Incinerator Set etc.,                                                                                   | (Proposed)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|      | d. Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 25   | PARKING                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|      | a. Parking Requirement as per norms                                                                                   | Parking requirement -23<br>Parking Provided - 28                                                                                                                                                                                                                                                                                                                                                                                                      |
|      | b. Internal Road width (RoW)                                                                                          | Entrance - 12 m<br>Internal roads - 8m                                                                                                                                                                                                                                                                                                                                                                                                                |
| 26   | Any other information specific to the project (Specify)                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 27   | CER Activities                                                                                                        | <ul style="list-style-type: none"> <li>• Construction of Groundwater Recharge pits at nearby villages at Kallanayakanahalli, Hosahalli</li> <li>• Providing rainwater harvesting system and toilet facility to Government Primary School, A.Hosahalli</li> <li>• Nala buffer greenbelt development for a length of 600 m outside the project site boundary by providing 3 m spacing between individual trees - 400 nos. of trees in 2 rows</li> </ul> |
| 28   | EMP                                                                                                                   | Capital cost - 530 Lakhs<br>Recurring cost - 44 Lakhs/year                                                                                                                                                                                                                                                                                                                                                                                            |

The proposal is for expansion of manufacturing of MS Billets from 7000 TPM to 14,000 TPM and installing of rolling mill of 15,000 TPM capacity, for which SEIAA had issued ToR on 31.05.2023 and PH was conducted on 02.12.2023, wherein opinion/requests of twenty-five people were recorded in minutes. Proponent informed that the existing industry was exempted from obtaining EC as it was established prior to EIA Notification 2006 and presently they are functioning on valid CFO issued by KSPCB dated 18.08.2021 for production of MS Billets of 7,000 TPM and slag crushing of 2,500 TPM.

The Committee during appraisal sought details regarding cumulative impact and mitigative measures during operation phase of the industry and details regarding stack emission and its incremental concentration. The Proponent informed the Committee that the major anticipated impact is on the air from stack emission, fugitive emission and process emissions and as a mitigation measure, they will provide covered shed for storage of raw mater, regular maintenance of exhaust/chimney/other equipments, emissions from the Induction furnace and re-heating furnaces to be discharged into the atmosphere through stack of 36 m and 30 m height respectively. The existing stack will be replaced, continuous monitoring of work zone & surrounding would be done to check the ambient air levels for the contaminants, providing PPE's for workers, continuous dust suppression from production area by regular water sprinkling, three rows of greenbelt development to suppress the dust pollution and for fugitive emission from material unloading operations, material transfer points controlled completely with total enclosure. For stack emission from existing and proposed, the Proponent submitted the following details,

| Sl. No.                           | Stack attached to                                     | Emission of PM <sub>10</sub> in gm/sec  | Emission of PM <sub>2.5</sub> in gm/sec | Emission of SO <sub>2</sub> in gm/sec | Emission of NO <sub>x</sub> in gm/sec | Emission of CO in gm/sec | Stack dia. in m     | Flue Gas Temp. in °C       | Stack Height in (m) (AGL) | Flue gas Velocity in m/sec |
|-----------------------------------|-------------------------------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------|---------------------------------------|--------------------------|---------------------|----------------------------|---------------------------|----------------------------|
| EXISTING                          |                                                       |                                         |                                         |                                       |                                       |                          |                     |                            |                           |                            |
| 1                                 | Induction furnace 25 T                                | 0.085                                   | 0.045                                   | -                                     | -                                     | -                        | 1.7                 | 41                         | 33                        | 6.2                        |
| 2                                 | Induction furnace 25 T (Standby)                      |                                         |                                         |                                       |                                       |                          |                     |                            |                           |                            |
| PROPOSED                          |                                                       |                                         |                                         |                                       |                                       |                          |                     |                            |                           |                            |
| 3                                 | Induction furnace 30 T<br>(Existing will be replaced) | 0.17                                    | 0.09                                    | -                                     | -                                     | -                        | 1.5                 | 100                        | 36                        | 8.5                        |
| 4                                 | Induction furnace 30 T (Standby)                      |                                         |                                         |                                       |                                       |                          |                     |                            |                           |                            |
| 5                                 | Reheating Furnace 25 T                                | 0.23                                    | 0.13                                    | 0.15                                  | 0.11                                  | 0.0063                   | 1.0                 | 80                         | 30                        | 6.5                        |
| STACK EMISSION DETAILS FOR DG SET |                                                       |                                         |                                         |                                       |                                       |                          |                     |                            |                           |                            |
| Capacity in KVA                   | Emission of PM <sub>10</sub> in gm/sec                | Emission of PM <sub>2.5</sub> in gm/sec | Emission of SO <sub>2</sub> in gm/sec   | Emission of NO <sub>x</sub> in gm/sec | Stack dia. in m                       | Flue Gas Temp. in °C     | Stack Height in (m) | Flue gas Velocity in m/sec |                           |                            |
| 600 KVA                           | 0.008                                                 | 0.004                                   | 0.15                                    | 0.40                                  | 0.25                                  | 107                      | 19 m AGL            | 5.7                        |                           |                            |

and the predicted maximum incremental concentration based on air quality modelling,

| Location | Direction | Dist. Km | PM <sub>10</sub> , µg/m³ |                     |           | PM <sub>2.5</sub> , µg/m³ |                     |           | SO <sub>2</sub> , µg/m³ |                     |           | NOx, µg/m³ |                     |           | CO, µg/m³ |                     |           |
|----------|-----------|----------|--------------------------|---------------------|-----------|---------------------------|---------------------|-----------|-------------------------|---------------------|-----------|------------|---------------------|-----------|-----------|---------------------|-----------|
|          |           |          | Base line                | Project predictions | Resultant | Base line                 | Project predictions | Resultant | Base line               | Project predictions | Resultant | Base line  | Project predictions | Resultant | Base line | Project predictions | Resultant |
| A 1      | -         | -        | 64.00                    | 0.100               | 64.10     | 25.40                     | 0.060               | 25.46     | 15.60                   | 0.050               | 15.65     | 19.70      | 0.020               | 19.72     | 190       | 0.0020              | 190.002   |
| A 2      | SW        | 0.16     | 51.80                    | 0.080               | 51.88     | 18.30                     | 0.050               | 18.35     | 10.70                   | 0.030               | 10.73     | 14.00      | 0.020               | 14.02     | 270       | 0.0010              | 270.001   |
| A 3      | SE        | 1.63     | 51.70                    | 0.010               | 51.71     | 21.20                     | 0.006               | 21.21     | 11.60                   | 0.005               | 11.61     | 14.30      | 0.002               | 14.30     | 140       | 0.0002              | 140.000   |
| A 4      | NE        | 2.13     | 52.60                    | 0.005               | 52.61     | 19.50                     | 0.004               | 19.50     | 11.90                   | 0.003               | 11.90     | 16.00      | 0.002               | 16.00     | 330       | 0.0001              | 330.000   |
| A 5      | NE        | 1.37     | 53.00                    | 0.008               | 53.01     | 19.50                     | 0.005               | 19.51     | 11.90                   | 0.010               | 11.91     | 14.20      | 0.002               | 14.20     | 120       | 0.0004              | 120.000   |
| A 6      | NW        | 1.93     | 52.70                    | 0.010               | 52.71     | 19.50                     | 0.005               | 19.51     | 11.90                   | 0.005               | 11.91     | 13.90      | 0.004               | 13.90     | 120       | 0.0002              | 120.000   |
| A 7      | NW        | 0.52     | 52.20                    | 0.080               | 52.28     | 18.70                     | 0.050               | 18.75     | 11.90                   | 0.010               | 11.91     | 14.80      | 0.020               | 14.82     | 130       | 0.0010              | 130.001   |
| A 8      | W         | 5.0      | 52.70                    | 0.010               | 52.71     | 18.70                     | 0.005               | 18.71     | 11.70                   | 0.005               | 11.71     | 14.60      | 0.004               | 14.60     | 160       | 0.0002              | 160.000   |
| Standard |           |          | 100                      |                     |           | 60                        |                     |           | 80                      |                     |           | 80         |                     |           | 4000      |                     |           |

Further, the Committee informed the Proponent to install continuous air quality monitoring system within the project site, to install separate power meter for scrubber, to install spark arrestor, to concrete internal roads, to provide local employment, to provide additional plantation, to harvest solar energy. The Proponent agreed for all and informed that for solar, there are sourcing 23 MW from offsite solar power plant. For mill scale cleaning, Proponent informed that the billet temperature to be reduced from 1615 Deg Celcius to 900 Deg Celcius during cooling process the mill scale will be removed from the surface of metal and to be sold to the authorized vendors.

Further, the Proponent informed the Committee that for the water body & drains they had maintained a suitable buffer and only green belt to be developed in the buffer zone and all round the plant area.

The proponent had collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the statutory guidelines for the proposed construction/operation and adhere to the by-laws stipulated by the governing authority for buffers and setbacks. The committee noted that the baseline parameters are found to be within permissible limits.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. Approach roads & inter roads to be concreted along with the expansion.
2. A thick 5 row green belt all along the boundary to be developed.
3. No pulverising & coal storage unit shall be allowed in the plant. The ground PCI coal in a jumbo bag shall be used in a closed circuit and required anti-static bag filters to be provided.
4. Get the approval for Onsite emergency plan from concerned authority.
5. Metal scrap contaminated with oil & grease shall be avoided. If required to be used after degreasing.
6. To develop road network, drains, recharge pits, guard ponds, silt ponds in the premises with suitable quantity.
7. Stability certificate to be obtained from competent structural engineer for existing buildings.
8. Air & Noise Pollution prevention measures to be adopted so that, no complaint from nearby habitat and school.
9. To conserve water high Cycle of concentration (COC) to be maintained.
10. To install flow meter for all bore wells and each process consumer point.
11. Hazardous waste quantity proposed is not justifiable, all categories to be identified.
12. First priority to be given to local employment and local community and comply to Sarojini Mahishi report.
13. To provide water jacketed duct or flash arrestors for IF chimney to prevent fire from flue gas.
14. To provide both top & side suction ducts followed by bag filter or scrubbers to ensure no emission during charging and melting.
15. To install Continuous emission monitoring to the chimneys and record the data in real-time.
16. ZLD to be adopted.
17. Porous fencing of 10m height at all around the boundary to be constructed to prevent dust emanating from the premises.
18. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.3 Expand the existing facility to manufacture the following Products and also expansion of existing product capacity is located at Plot No.192-C, Industrial Area Baikampady, Mangalore by M/s. Akolite Synthetic Resins – Online Proposal No.SIA/KA/IND3/472417/2024 (SEIAA 30 IND 2023)**

**About the project:**

| SL.No                           | PARTICULARS                                               | INFORMATION Provided by PP                                                                                                                                            |                                                                              |                           |                                |
|---------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------|--------------------------------|
| 1                               | Name of the project proponent:                            | Mohammed Rafiq, General Manager<br>M/s .AKOLITE SYNTHETIC RESINS<br>Plot No. 192-C, Industrial Area Baikampady,<br>Mangalore, Karnataka State, PIN- 575011.           |                                                                              |                           |                                |
| 2                               | Name & Location of the project:                           | Formulation of Amino Resin, Phenol Formaldehyde Resin, and Starch Glue Manufacturing Industryat<br>Plot No. 192-C, Industrial Area Baikampady,<br>Mangalore - 575011. |                                                                              |                           |                                |
| 3                               | New /expansion/modification /<br>product mix change:      | Expansion                                                                                                                                                             |                                                                              |                           |                                |
| 4                               | Plot Area                                                 | 2024 Sq.mt                                                                                                                                                            |                                                                              |                           |                                |
| 5                               | Built Up Area                                             | 426.04sqm.                                                                                                                                                            |                                                                              |                           |                                |
| 6                               | Project Cost                                              | 3.75 Crore (existing : 3.50 Cr + Proposed: 0.25 Cr)                                                                                                                   |                                                                              |                           |                                |
| 7                               | Component of development:                                 | Synthetic Resins Manufacturing Industry                                                                                                                               |                                                                              |                           |                                |
| 8                               | Source of water -operational phase:                       | Karnataka Industrial Areas Development Board<br>(KIADB)                                                                                                               |                                                                              |                           |                                |
| 9                               | Total Water Requirement (Domestic<br>+ Industrial) in KLD | Total: 30KLD<br>(Domestic: 1.2 KLD + Industrial: 28.8KLD)                                                                                                             |                                                                              |                           |                                |
| 10                              | Fresh Water in KLD<br>Recycled water in KLD               | 27.6 KLD<br>2.4 KLD                                                                                                                                                   |                                                                              |                           |                                |
| 11                              | Total waste water generation in KLD                       | Domestic Wastewater: 1.0 KLD                                                                                                                                          |                                                                              |                           |                                |
| 12                              | Total effluents generation in KLD                         | Industrial effluent: 2.4 KLD                                                                                                                                          |                                                                              |                           |                                |
| 13                              | Scheme of disposal of excess<br>treated water             | Effluent will be treated by ETP. Domestic waste<br>water is being disposed to septic tank and soak pit.                                                               |                                                                              |                           |                                |
| 14                              | ETP Capacity                                              | 5 KLD                                                                                                                                                                 |                                                                              |                           |                                |
| 15                              | STP Capacity                                              | Septic tank and soak pits.                                                                                                                                            |                                                                              |                           |                                |
| Waste Generation & its Disposal |                                                           |                                                                                                                                                                       |                                                                              |                           |                                |
| 16                              | Solid Waste/other waste                                   | S.No                                                                                                                                                                  | Waste                                                                        | Quantit<br>y MT/<br>Annum | Disposal                       |
|                                 |                                                           | 1                                                                                                                                                                     | Packing Materials<br>(Paper, Plastic &<br>Wood etc.) and<br>stationary waste | 1.0                       | Sale to<br>Authorized<br>Party |
|                                 |                                                           | 2                                                                                                                                                                     | Insulation<br>Material                                                       | 0.5                       | Sale to<br>Authorized<br>Party |
|                                 |                                                           | 3                                                                                                                                                                     | Metallic Scrap                                                               | 1.5                       | Sale to<br>Authorized<br>Party |
|                                 |                                                           | 4                                                                                                                                                                     | Non metallic<br>Scrap                                                        | 0.5                       | Sale to<br>Authorized<br>Party |

| SLNo | PARTICULARS                           | INFORMATION Provided by PP                                                                                                                                                                                                                                                                            |                                                                                                           |                     |                                                                                            |
|------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------|
|      |                                       | 5                                                                                                                                                                                                                                                                                                     | Fly ash                                                                                                   | 200                 | Boiler ash is collected and disposed to brick manufacturers.                               |
| 17   | Hazardous Waste                       | <b>Waste category</b>                                                                                                                                                                                                                                                                                 | <b>Hazardous waste generated</b>                                                                          | <b>Quantity TPA</b> | <b>Method of handling</b>                                                                  |
|      |                                       | 5.1                                                                                                                                                                                                                                                                                                   | Used Oil                                                                                                  | 5.0                 | Collection, storage and used within premises as a lubricant / sold to registered recycler. |
|      |                                       | 33.3                                                                                                                                                                                                                                                                                                  | Discarded containers                                                                                      | 100 Nos             | Collection, storage & sell to authorized vendor.                                           |
|      |                                       | 23.1                                                                                                                                                                                                                                                                                                  | Waste & residues                                                                                          | 0.25                | Collection, storage & disposal at common Incineration facility/AFR                         |
|      |                                       | 34.3                                                                                                                                                                                                                                                                                                  | ETP sludge                                                                                                | 1.0                 | Collection, storage & disposal at common Incineration facility/AFR                         |
|      |                                       | 35.1                                                                                                                                                                                                                                                                                                  | DG filters                                                                                                | 0.1                 | Collection, storage & disposal at common Incineration facility/AFR                         |
|      |                                       | 33.2                                                                                                                                                                                                                                                                                                  | Cotton rags/gloves/apron                                                                                  | 0.1                 | Collection, storage & disposal at common Incineration facility/AFR                         |
| 18   | Green Belt Coverage - % of total area | 33% of the total site area as greenbelt area, which amounts to about 667.92sqm of total site area.                                                                                                                                                                                                    |                                                                                                           |                     |                                                                                            |
| 19   | EMP                                   | <b>Capital Cost: 48 Lakhs</b><br><b>Recurring Cost: 12.5 Lakhs</b>                                                                                                                                                                                                                                    |                                                                                                           |                     |                                                                                            |
| 20   | CER Activities Proposed               | <ul style="list-style-type: none"> <li>The budget for CER is Rs. 8 Lakhs which is proposed to be spent on the following activities in Baikampady IA and nearby village.</li> <li>Total CER fund will be spent to below mentioned following activities with yearly wise budget allocations.</li> </ul> |                                                                                                           |                     |                                                                                            |
|      |                                       | <b>S.No</b>                                                                                                                                                                                                                                                                                           | <b>Activities</b>                                                                                         |                     |                                                                                            |
|      |                                       | 1                                                                                                                                                                                                                                                                                                     | Govt. Primary school, Mangalore development of school with RO drinking water facility, solar panels etc., |                     |                                                                                            |
|      |                                       | 2                                                                                                                                                                                                                                                                                                     | Skill development program in Baikampady                                                                   |                     |                                                                                            |

| Sl.No | PARTICULARS | INFORMATION Provided by PP |                                                         |
|-------|-------------|----------------------------|---------------------------------------------------------|
|       |             | 3                          | Plantation activity in Baikampady IA and nearby village |

The proposal is for manufacturing for 1,625 TPM amino resin, 250TPM phenol formaldehyde resin and 6,25 TPM of starch glue, for which SEIAA had issued ToR on 02.06.2023. Proponent informed that the existing industry was established prior to EIA Notification 2006 and for the existing industry they have CFO issued by KSPCB dated 31.12.2018 for manufacturing of synthetic resins and as the proposed area is located in notified KIADB industrial area, PH is exempted as per EIA Notification.

The Proponent informed the Committee about the product and its capacity as below,

**Table 1: Details of Products**

| Sl. No         | Name of the product       |                              | Existing –TPM as per CFO dated 31.12.2018 | Proposed -TPM | Total After Expansion -TPM | Total After Expansion -TPA | Rem arks  |
|----------------|---------------------------|------------------------------|-------------------------------------------|---------------|----------------------------|----------------------------|-----------|
| 1.             | Synthetic resins          |                              | 50                                        | -             | -                          | -                          | -         |
| 2.             | Amino resins              | Melamine formaldehyde Resins | -                                         | 1,625         | 1,625                      | 19500                      | prop osed |
|                |                           | Urea Formaldehyde Resins     | -                                         |               |                            |                            | prop osed |
| 3.             | Phenol Formaldehyde Resin |                              | -                                         | 250           | 250                        | 3000                       | prop osed |
| 4.             | Starch Glue               |                              | -                                         | 625           | 625                        | 7500                       | prop osed |
| Total Quantity |                           |                              | -                                         | 2,500         | 2500                       | 30,000                     |           |

**Details of Pollution Load from the process**

| Proposed Water Requirement and Wastewater Generation with Segregation |              |                       |                                        |                         |                                                           |
|-----------------------------------------------------------------------|--------------|-----------------------|----------------------------------------|-------------------------|-----------------------------------------------------------|
| Description                                                           | Input (KLD)  |                       | Output (KLD)                           |                         | Final disposal of treated effluent                        |
|                                                                       | Water in KLD | Recycled water in KLD | Evaporation / Loss/with product in KLD | Total wastewater in KLD |                                                           |
| Process                                                               | 15           | 0.5                   | 14.2                                   | 1.3                     | Treated by ETP, treated water will be used for utilities. |
| Washing                                                               | 0.8          | 0.8                   | --                                     |                         |                                                           |
| Boiler Feed                                                           | 6.0          | 0.6                   | 5.4                                    | 0.6                     |                                                           |
| Cooling tower                                                         | 5.0          | 0.5                   | 4.5                                    | 0.5                     |                                                           |

|                               |           |            |          |            |                                                                |
|-------------------------------|-----------|------------|----------|------------|----------------------------------------------------------------|
| <b>Domestic</b>               | 1.2       | --         | 0.2      | 1.0        | Treated in the septic tank and disposed of through a soak pit. |
| <b>Green belt development</b> | 2.0       | --         | -        | -          | Treated effluent will be used no fresh water will be drawn     |
| <b>Total</b>                  | <b>30</b> | <b>2.4</b> | <b>-</b> | <b>3.4</b> |                                                                |

#### DETAILS OF AIR EMISSION FROM SOURCE AND CONTROL MEASURES

| Sl No | Chimney Attached      | Capacity | Fuel      | Quantity | Chimney Height         | Air Pollution Control Unit | Parameters                                |
|-------|-----------------------|----------|-----------|----------|------------------------|----------------------------|-------------------------------------------|
| 1     | D.G. Sets             | 125 kVA  | HSD       | 60 l/h   | 12 m AGL               | Acoustic enclosure         | SO <sub>2</sub> , NO, CO, PM              |
| 2     | Boiler                | 1 TPH    | Firewood. | 200 kg/h | 30m AGL-Combined stack | Dust collector             | PM, CO, NO <sub>x</sub> , SO <sub>2</sub> |
| 3     | Baby boiler (Standby) | 0.5 TPH  | Firewood  | 100 kg/h |                        |                            |                                           |

The proponent had collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the statutory guidelines for the proposed construction/operation and adhere to the by-laws stipulated by the governing authority for buffers and setbacks. The Committee noted that the baseline parameters are found to be within permissible limits.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide green belt all along the boundary to be developed.
2. To get approval for Onsite emergency plan from concerned authority.
3. ZLD to be adopted.
4. Proponent agreed to carry out regular health checkup for the workers in the nearby Hospital.
5. To install continuous VOC monitoring equipment.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.4 Proposed In-House Resin Manufacturing for Plywood Industry Project at Plot No.2 Part 1B, Thimmanahalli Industrial Area, Hassan Taluk, Hassan District by M/s. Bharath Plywood Industries- Online Proposal No.SIA/KA/IND3/481843/2024 (SEIAA 09 IND 2024)**

**About the project:**

| Sl.No                           | PARTICULARS                                               | INFORMATION Provided by PP                                                                                               |                     |                   |                                                                  |       |               |
|---------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|------------------------------------------------------------------|-------|---------------|
| 1                               | Name of the project proponent:                            | M/s. Bharath Plywood Industries<br>No.2 Part 1B, Thimmanahalli Industrial Area,<br>Hassan-District, Karnataka.           |                     |                   |                                                                  |       |               |
| 2                               | Name & Location of the project:                           | House Resin Manufacturing for the Plywood<br>Industry at No.2 Part 1B, Thimmanahalli<br>Industrial Area, Hassan-District |                     |                   |                                                                  |       |               |
| 3                               | New/expansion/modification/ product<br>mix change:        | Expansion<br>Category 5(f)                                                                                               |                     |                   |                                                                  |       |               |
| 4                               | Plot Area                                                 | 10,522 Sq.mt                                                                                                             |                     |                   |                                                                  |       |               |
| 5                               | Built Up Area                                             | 4,321.82sqm.                                                                                                             |                     |                   |                                                                  |       |               |
| 6                               | Project Cost                                              | 4.92Crore                                                                                                                |                     |                   |                                                                  |       |               |
| 7                               | Component of development:                                 | In House Resin Manufacturing for Plywood<br>Industry                                                                     |                     |                   |                                                                  |       |               |
| 8                               | Source of water -operational phase:                       | Karnataka Industrial Areas Development Board<br>(KIADB)                                                                  |                     |                   |                                                                  |       |               |
| 9                               | Total Water Requirement (Domestic +<br>Industrial) in KLD | Total: 4.3KLD<br>(Domestic: 2.5 KLD + Industrial: 1.8KLD)                                                                |                     |                   |                                                                  |       |               |
| 10                              | Fresh Water in KLD<br>Recycled water in KLD               | 4.3 KLD<br>0.323 KLD                                                                                                     |                     |                   |                                                                  |       |               |
| 11                              | Total waste water generation in KLD                       | Domestic Wastewater: 2.0 KLD                                                                                             |                     |                   |                                                                  |       |               |
| 12                              | Total effluents generation in KLD                         | Industrial effluent: 0.34 KLD                                                                                            |                     |                   |                                                                  |       |               |
| 13                              | Scheme of disposal of excess treated<br>water             | Effluent will be treated by ETP. Domestic waste<br>water is being disposed to septic tank and soak<br>pit.               |                     |                   |                                                                  |       |               |
| 14                              | ETP Capacity                                              | 1 KLD                                                                                                                    |                     |                   |                                                                  |       |               |
| 15                              | STP Capacity                                              | Septic tank and soak pits.                                                                                               |                     |                   |                                                                  |       |               |
| Waste Generation & its Disposal |                                                           |                                                                                                                          |                     |                   |                                                                  |       |               |
| 16                              | Solid Waste/other waste                                   | Sl.No                                                                                                                    | Type of<br>waste    | Quantity<br>(MTA) | Method of<br>handling<br>/disposal                               |       |               |
|                                 |                                                           | 1                                                                                                                        | Wooden<br>Chips     | 1220              | Used as fuel in<br>TFH                                           |       |               |
|                                 |                                                           | 2                                                                                                                        | TFH Ash             | 208               | Used for farming                                                 |       |               |
|                                 |                                                           | 3                                                                                                                        | Organic<br>waste    | 2.78              | Dried and used<br>as manure for<br>gardening after<br>composting |       |               |
|                                 |                                                           | 4                                                                                                                        | In organic<br>waste | 1.85              | Disposed to<br>authorized<br>vendors                             |       |               |
| 17                              | Hazardous Waste                                           | Sl                                                                                                                       | Type                | Cate<br>gory      | Qu<br>ant                                                        | Units | Metho<br>d of |

| Sl.No  | PARTICULARS                                                       | INFORMATION Provided by PP                                                                                                                                                                                                                                                                                                 |                                                                                                      |      |     |       |                                                                          |        |          |    |                                                                   |    |                                                                |    |                                              |
|--------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------|-----|-------|--------------------------------------------------------------------------|--------|----------|----|-------------------------------------------------------------------|----|----------------------------------------------------------------|----|----------------------------------------------|
|        |                                                                   |                                                                                                                                                                                                                                                                                                                            |                                                                                                      |      | ity |       | Dispos<br>al                                                             |        |          |    |                                                                   |    |                                                                |    |                                              |
|        |                                                                   | 1                                                                                                                                                                                                                                                                                                                          | Empty<br>barrels/cont<br>ainers/liners<br>contaminate<br>d with<br>hazardous<br>chemicals<br>/Wastes | 33.1 | 10  | No./A | Dispos<br>ed to<br>authori<br>zed<br>vendor<br>s for<br>recycli<br>ng    |        |          |    |                                                                   |    |                                                                |    |                                              |
|        |                                                                   | 2                                                                                                                                                                                                                                                                                                                          | Contaminat<br>ed cotton<br>rags or<br>cleaning<br>materials                                          | 33.2 | 0.1 | MT/A  | Dispos<br>ed to<br>authori<br>zed<br>vendor<br>s for<br>inciner<br>ation |        |          |    |                                                                   |    |                                                                |    |                                              |
|        |                                                                   | 3                                                                                                                                                                                                                                                                                                                          | Used spent<br>oil                                                                                    | 5.1  | 0.5 | KL/A  | Dispos<br>ed to<br>authori<br>zed<br>vendor<br>s for<br>inciner<br>ation |        |          |    |                                                                   |    |                                                                |    |                                              |
|        |                                                                   | 4                                                                                                                                                                                                                                                                                                                          | Oil Filter                                                                                           | 5.2  | 2   | No./A | Dispos<br>ed to<br>authori<br>zed<br>vendor<br>s for<br>recycli<br>ng    |        |          |    |                                                                   |    |                                                                |    |                                              |
| 18     | Green Belt Coverage - % of total area                             | 34% of the total site area as greenbelt area, which amounts to about 3671sqm of total site area.                                                                                                                                                                                                                           |                                                                                                      |      |     |       |                                                                          |        |          |    |                                                                   |    |                                                                |    |                                              |
| 19     | EMP                                                               | Capital Cost: 5.0 Lakhs<br>Recurring Cost: 0.5 Lakhs                                                                                                                                                                                                                                                                       |                                                                                                      |      |     |       |                                                                          |        |          |    |                                                                   |    |                                                                |    |                                              |
| 20     | CER Activities Proposed                                           | <table><tr><th>Sl.no.</th><th>Activity</th></tr><tr><td>1.</td><td>Implementation of solar pannel in government lower primary school</td></tr><tr><td>2.</td><td>Rain water harvesting pond in the nearby Thimmanahalli village</td></tr><tr><td>3.</td><td>Tree plantation in the Thimmanahalli village</td></tr></table> |                                                                                                      |      |     |       |                                                                          | Sl.no. | Activity | 1. | Implementation of solar pannel in government lower primary school | 2. | Rain water harvesting pond in the nearby Thimmanahalli village | 3. | Tree plantation in the Thimmanahalli village |
| Sl.no. | Activity                                                          |                                                                                                                                                                                                                                                                                                                            |                                                                                                      |      |     |       |                                                                          |        |          |    |                                                                   |    |                                                                |    |                                              |
| 1.     | Implementation of solar pannel in government lower primary school |                                                                                                                                                                                                                                                                                                                            |                                                                                                      |      |     |       |                                                                          |        |          |    |                                                                   |    |                                                                |    |                                              |
| 2.     | Rain water harvesting pond in the nearby Thimmanahalli village    |                                                                                                                                                                                                                                                                                                                            |                                                                                                      |      |     |       |                                                                          |        |          |    |                                                                   |    |                                                                |    |                                              |
| 3.     | Tree plantation in the Thimmanahalli village                      |                                                                                                                                                                                                                                                                                                                            |                                                                                                      |      |     |       |                                                                          |        |          |    |                                                                   |    |                                                                |    |                                              |

The proposal is for inhouse manufacturing of resins at 4 TPD capacity with maximum of 1,000 TPA for captive use in plywood manufacture. The Proponent informed the Committee that the proposal is applied under B2 as per the provision in MoEF&CC letter dated 10.04.2019, for production of resin not exceeding 1000 tons per annum (4 tons per day) by captive manufacturing and utilization in plywood. For the existing industry they have CFO issued by KSPCB dated 19.02.2024 for manufacture of plywood. The proposed project is located in notified KIADB industrial area.

The Proponent informed the Committee about the proposed products and its capacity,

**Table 1: Details of Products**

| Sl. No | Name of the product                                          | Quantity            | Quantity                  |
|--------|--------------------------------------------------------------|---------------------|---------------------------|
| 1      | Phenol Formaldehyde Resin                                    | 4 TPD               | 1000 TPA                  |
| 2      | Melamine Formaldehyde Resins                                 |                     |                           |
| 3      | Melamine Urea Formaldehyde (MUF) resin                       |                     |                           |
| 4      | Manufacture of Commercial decorative plywood and block board | 500 numbers per day | 180,000 numbers per annum |

**Details of Pollution Load**

| Sl no.      | Purpose       | As per CFO dated 19.02.2024 |                            | Proposed              |                            | Total                 |                            | Mode of disposal                                  |
|-------------|---------------|-----------------------------|----------------------------|-----------------------|----------------------------|-----------------------|----------------------------|---------------------------------------------------|
|             |               | Water consumption KLD       | Waste water generation KLD | Water consumption KLD | Waste water generation KLD | Water consumption KLD | Waste water generation KLD |                                                   |
| A           | Domestic      | 2                           | 1.6                        | +0.5                  | +0.4                       | 2.5                   | 2                          | Septic tank and soak pit                          |
| B           | Industrial    |                             |                            |                       |                            |                       |                            |                                                   |
|             | Colling tower | --                          | --                         | +1.5                  | 0                          | 1.5                   | 0                          | Completely recirculated                           |
|             | Process       | --                          | --                         | +0.142                | +0.04                      | 0.142                 | 0.04                       | Treated in ETP of 1 KLD and reused in the process |
|             | washing       | 0.2                         | 0.2                        | 0                     | 0                          | 0.2                   | 0.2                        |                                                   |
|             | Scrubber      | --                          | --                         | +0.1                  | +0.1                       | 0.1                   | 0.1                        |                                                   |
| B Total     |               |                             |                            |                       |                            | 1.8                   | 0.3                        |                                                   |
| Total (A+B) |               |                             |                            |                       |                            | 4.3                   | 2.34                       |                                                   |

## DETAILS OF AIR EMISSION FROM SOURCE AND CONTROL MEASURES

| Sl. No | Existing pollution sources as per CFO dated 19.02.2024 | Proposed pollution sources        | Final pollution sources                           | Type of fuel used | Chimney height                  | APC system                                 |
|--------|--------------------------------------------------------|-----------------------------------|---------------------------------------------------|-------------------|---------------------------------|--------------------------------------------|
| 01     | DG set 250 KVA 1 no                                    | --                                | DG set 250 KVA 1 no                               | HSD               | Chimney of 5 mtrs AGL connected | Acoustic enclosure and catalytic converter |
| 02     | Fuel Heater (Thermic) 10 million calories of heat      | --                                | Fuel Heater (Thermic) 10 million calories of heat | Wood              | chimney of 30 mtrs AGL          | Bag Filter                                 |
| 03     | DD saw                                                 | --                                | DD saw                                            | --                | chimney of 9 mtrs AGL           | Dust collectors                            |
| 04     | Sanding machine closed type                            | --                                | Sanding machine closed type                       | --                |                                 |                                            |
| 05     | NIL                                                    | Chemical storage and process area | Chemical storage and process area                 | --                | Chimney of 6m AGL               | Scrubber                                   |

The proponent had collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the statutory guidelines for the proposed construction/operation and adhere to the by-laws stipulated by the governing authority for buffers and setbacks. The Committee noted that the baseline parameters are found to be within permissible limits.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

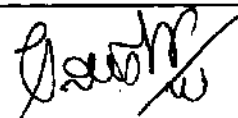
1. To provide green belt all along the boundary to be developed.
2. Zero Liquid Discharge to be adopted.
3. Proponent agreed to carry out regular health checkup for the workers in the nearby Hospital
4. To install continuous Volatile Organic Compounds monitoring equipment.
5. To take precautionary measures towards river.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.2.5 Proposed Residential Development Plan Project at Hulimangala Village, Jigani Hobli, Anekal Taluk, Bangalore Urban District by Mr. M Satish Reddy, Shri Ananda Kumar and Shri L Bharath Kumar – Online Proposal No.SIA/KA/INFRA2/476200/2024 (SEIAA 73 CON 2024)**

**About the project:**

| Sl.No. | Particulars                                                                                                          | Information Provided by Proponent                                                                                                                                                                                                                                                                                                                                                      |
|--------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent                                                                              | Mr. M Satish Reddy, Shri. Ananda Kumar & Shri. L Bharath Kumar<br>No. 123, Begur Main Road, Near Anjaneya Temple, Hongasandra, Bangalore South, Bangalore –560068                                                                                                                                                                                                                      |
| 2      | Name & Location of the Project                                                                                       | Residential Development Plan by Mr. M. Satish Reddy, Shri Ananda Kumar and Shri L Bharath Kumar at Sy.Nos.159/1, 159/2, 161, 162, 163/1, 163/2,178/1, 178/3 & 178/4 of Hulimangala Village, Jigani Hobli, Anekal Taluk, Bangalore Urban District                                                                                                                                       |
| 3      | Type of Development                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                        |
| a.     | Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Proposed Residential Development Plan Category 8(a)                                                                                                                                                                                                                                                                                                                                    |
| b.     | Residential Township/ Area Development Projects                                                                      | No                                                                                                                                                                                                                                                                                                                                                                                     |
| c.     | Zoning Classification                                                                                                | Agricultural Land                                                                                                                                                                                                                                                                                                                                                                      |
| 4      | New/ Expansion/ Modification/ Renewal                                                                                | New                                                                                                                                                                                                                                                                                                                                                                                    |
| 5      | Water Bodies/ Nalas in the vicinity of project site                                                                  | 15.0 m buffer left from the Tertiary Nala.                                                                                                                                                                                                                                                                                                                                             |
| 6      | Plot Area (Sqm)                                                                                                      | The total site area is 41,100.31sq.m.<br>The Net Site area is 40,308.31sq.m.                                                                                                                                                                                                                                                                                                           |
| 7      | Built Up area (Sqm)                                                                                                  | 1,21,350.00 sq.m.                                                                                                                                                                                                                                                                                                                                                                      |
| 8      | FAR<br>• Permissible<br>• Proposed                                                                                   | 1.86<br>2.00                                                                                                                                                                                                                                                                                                                                                                           |
| 9      | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]         | Residential Development Plan project comprising of 5 Blocks and 1 EWS Block, 5 Block shaving 2 Basement Floor + Ground Floor + 7 Upper Floors + Terrace Floor and 1 EWS Block having Basement Floor + Ground Floor + 7 Upper Floors +Terrace Floor with total 616 units. The total site area is 41,100.31 sq.m. The Net Site area is 40,308.31sq.m. The Gross BUA is 1,21,350.00 sq.m. |
| 10     | Number of units/plots in case of Construction/Residential Township /Area Development Projects                        | 616 units                                                                                                                                                                                                                                                                                                                                                                              |
| 11     | Height Clearance                                                                                                     | As per CCZM, Site Elevation in AMSL : 920.6<br>Permissible top elevation in AMSL : 1035<br>Difference in meters : 114.4<br>Height proposed : 23.95 m                                                                                                                                                                                                                                   |
| 12     | Project Cost (Rs. In Crores)                                                                                         | 128.0 Crores                                                                                                                                                                                                                                                                                                                                                                           |

|     |                                                                                 |                                                                                                                                                                                         |            |                |
|-----|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|
| 13  | Quantity excavated earth & its management                                       | Details                                                                                                                                                                                 |            | Quantity in m3 |
|     |                                                                                 | Quantity of excavated soil                                                                                                                                                              |            | 1,99,152.87    |
|     |                                                                                 | Excavated earth disposal details                                                                                                                                                        |            |                |
|     |                                                                                 | Back filling for footings                                                                                                                                                               |            | 99,576.44      |
|     |                                                                                 | Site filling required                                                                                                                                                                   |            | 23,770.78      |
|     |                                                                                 | Back filling for retaining wall                                                                                                                                                         |            | 59,841.35      |
|     |                                                                                 | Top soil for Landscaping                                                                                                                                                                |            | 7,922.31       |
|     |                                                                                 | Filling for internal roads                                                                                                                                                              |            | 8,042.00       |
|     |                                                                                 | Total                                                                                                                                                                                   |            | 1,99,152.87    |
| 14  | Details of Land Use (Sqm)                                                       |                                                                                                                                                                                         |            |                |
| a.  | Ground Coverage Area                                                            | 10,323.69m2                                                                                                                                                                             |            |                |
| b.  | Kharab Land                                                                     | --                                                                                                                                                                                      |            |                |
| c.  | Total Green belt on Mother Earth                                                | 7,686.78 m2                                                                                                                                                                             |            |                |
| d.  | Internal Roads                                                                  | 16,084.00 m2                                                                                                                                                                            |            |                |
| e.  | Park and open Space area                                                        | 4,153.84 m2                                                                                                                                                                             |            |                |
| f.  | Civic Amenity                                                                   | 2,060.00 m2                                                                                                                                                                             |            |                |
| g.  | Parks and Open space in case of Residential Township/ Area Development Projects | NA                                                                                                                                                                                      |            |                |
| h.  | Total                                                                           | 40,308.31 sq.m.                                                                                                                                                                         |            |                |
| 15  | WATER                                                                           |                                                                                                                                                                                         |            |                |
| I.  | Construction Phase                                                              |                                                                                                                                                                                         |            |                |
| a.  | Source of water                                                                 | From Nearby treated water suppliers                                                                                                                                                     |            |                |
| b.  | Quantity of water for Construction in KLD                                       | 50 KLD                                                                                                                                                                                  |            |                |
| c.  | Quantity of water for Domestic Purpose in KLD                                   | 10 KLD                                                                                                                                                                                  |            |                |
| d.  | Waste water generation in KLD                                                   | 8 KLD                                                                                                                                                                                   |            |                |
| e.  | Treatment facility proposed and scheme of disposal of treated water             | The sewage generated during the construction phase will be treated in the Mobile STP                                                                                                    |            |                |
| II. | Operational Phase                                                               |                                                                                                                                                                                         |            |                |
| a.  | Total Requirement of Water in KLD                                               | Fresh                                                                                                                                                                                   | 291.06     |                |
|     |                                                                                 | Recycled                                                                                                                                                                                | 138.60     |                |
|     |                                                                                 | Total                                                                                                                                                                                   | 429.66 KLD |                |
| b.  | Source of water                                                                 | Submitted hydrological assessment report for ground water from NABL accredited consultant informing about the availability of ground water and rain water harvesting                    |            |                |
| c.  | Wastewater generation in KLD                                                    | 408.18 KLD                                                                                                                                                                              |            |                |
| d.  | STP capacity and Area required                                                  | 410 KLD and 300 Sq.m.                                                                                                                                                                   |            |                |
| e.  | Technology employed for Treatment                                               | SBR Technology                                                                                                                                                                          |            |                |
| f.  | Scheme of disposal of excess treated water if any                               | No Disposal. The treated water will be reused for toilet flushing, landscaping in the project site, avenue plantation and Reuse after treating with ultrafiltration and reverse osmosis |            |                |
| 16  | Infrastructure for Rain water harvesting                                        |                                                                                                                                                                                         |            |                |
| a.  | Capacity of sump/tank to store Roof & Hardscape/soft scape run off              | 3217.0 Cu.m.                                                                                                                                                                            |            |                |
| b.  | No's of Ground water recharge pits                                              | 96.0 Nos.                                                                                                                                                                               |            |                |

|     |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17  | Storm water management plan                                                                                        | The storm water from the site will be collected by rainwater harvesting system and will be used for recharging the ground water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 18  | <b>WASTE MANAGEMENT</b>                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| I.  | <b>Construction Phase</b>                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| a.  | Quantity of Construction & Demolition waste and its management                                                     | Demolition Waste:<br>Floor area: 920 sq.m.<br>Width of the shed : 0.5m<br>Height of the shed: 2 m<br>Volume of demolition waste: $950 \times 0.5 + 2 \times 0.5 \times 5 \times 5 \text{ sides} = 475 + 20 + 495 \text{ cu.m.}$<br>Construction Waste: Nil                                                                                                                                                                                                                                                                                                                                                                                                  |
| b.  | Quantity of Solid waste generation and mode of Disposal other than C&D.                                            | No of labours = 100 Nos.<br>Per capita of waste generated = 0.4 kg/day<br>Separate collection bins will be used for organic and inorganic waste. Organic waste will be converted in organic convertor. Inorganic solid waste will be handed over to authorized recyclers.                                                                                                                                                                                                                                                                                                                                                                                   |
| II. | <b>Operational Phase</b>                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| a.  | Quantity of Biodegradable waste generation and mode of Disposal as per norms<br>(Capacity of OWC & Area required)  | Quantity: 492.80 kg/day<br>Mode of Disposal: Biodegradable waste will be converted in organic convertor<br>Capacity of facility: 5 tons<br>Area required: 150 sq.m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| b.  | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                  | Quantity: 739.20 kg/day<br>Mode of Disposal: Non- Biodegradable waste will be handed over to authorized recyclers<br>Area required: 220 sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| c.  | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           | Nil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| d.  | Quantity of E waste generation and mode of Disposal as per norms                                                   | E-waste generation will be very less                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 19  | <b>POWER</b>                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| a.  | Total Power Requirement - Operational Phase                                                                        | 3000kVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| b.  | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 2 X 1500 kVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| c.  | Details of Fuel used for DG Set                                                                                    | HSD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| d.  | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | <ul style="list-style-type: none"> <li>• Energy saved by using Solar water Heater : 50,000 kWh/ Year.....(a)</li> <li>• Solar Power Generation:</li> <li>• In non-monsoon season <math>400 \text{ kWh} \times 30 \times 8 \text{ Months} = 96,000 \text{ kWh}</math></li> <li>• In monsoon season <math>300 \text{ kWh} \times 30 \times 4 \text{ Months} = 36,000 \text{ kWh}</math></li> <li>• Total SPV Power Generation in a year = 1.32 L kWh / Annum.....(b)</li> <li>• Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= <math>0.5 + 1.32 \text{ L KWH} = 1.64 \text{ L / Annum}</math></li> </ul> |

|                                                                      |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------|-----|----------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|
|                                                                      |                                                                                                                    | .....(c)<br>• Total energy savings = 20.77%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| 20                                                                   | PARKING                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| a.                                                                   | Parking Requirement as per norms (ECS)                                                                             | 640 ECS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| b.                                                                   | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | Electronic City Phase 1 to Hulimangala Road                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| c.                                                                   | Internal Road width (RoW)                                                                                          | 8.0 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| 21                                                                   | CER Activities                                                                                                     | <table><tr><td>Year</td><td>Corporate Environmental Responsibility (CER)</td></tr><tr><td>1st</td><td>Books, Shoes &amp; Benches, Rainwater Harvesting in GHPS at CD Sattigala Village, Sakalavara, Bangalore Urban District</td></tr><tr><td>2nd</td><td>Providing solar power panels to GHPS at CD Sattigala Village, Sakalavara, Bangalore Urban District.</td></tr><tr><td>3rd</td><td>Conducting E-waste drive campaigns in the Hulimangala Village</td></tr><tr><td>4th</td><td>Scientific support and awareness to local farmers to increase yield of crop and fodder</td></tr><tr><td>5th</td><td>Health camp in GHPS at CD Sattigala Village, Sakalavara, Bangalore Urban District</td></tr></table> | Year            | Corporate Environmental Responsibility (CER) | 1st                                                                  | Books, Shoes & Benches, Rainwater Harvesting in GHPS at CD Sattigala Village, Sakalavara, Bangalore Urban District | 2nd | Providing solar power panels to GHPS at CD Sattigala Village, Sakalavara, Bangalore Urban District. | 3rd | Conducting E-waste drive campaigns in the Hulimangala Village | 4th | Scientific support and awareness to local farmers to increase yield of crop and fodder | 5th | Health camp in GHPS at CD Sattigala Village, Sakalavara, Bangalore Urban District |
| Year                                                                 | Corporate Environmental Responsibility (CER)                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| 1st                                                                  | Books, Shoes & Benches, Rainwater Harvesting in GHPS at CD Sattigala Village, Sakalavara, Bangalore Urban District |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| 2nd                                                                  | Providing solar power panels to GHPS at CD Sattigala Village, Sakalavara, Bangalore Urban District.                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| 3rd                                                                  | Conducting E-waste drive campaigns in the Hulimangala Village                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| 4th                                                                  | Scientific support and awareness to local farmers to increase yield of crop and fodder                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| 5th                                                                  | Health camp in GHPS at CD Sattigala Village, Sakalavara, Bangalore Urban District                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| 22                                                                   | EMP (Details and capital cost & recurring cost)                                                                    | <table><tr><td>Operation Phase</td><td>Construction Phase</td></tr><tr><td>Recurring Cost Per Annum = 74.49lakhs<br/>Capital Cost = 716.08 lakhs</td><td>Recurring Cost Per Annum = 18.14 lakhs<br/>Capital Cost = 58.88 lakhs</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Operation Phase | Construction Phase                           | Recurring Cost Per Annum = 74.49lakhs<br>Capital Cost = 716.08 lakhs | Recurring Cost Per Annum = 18.14 lakhs<br>Capital Cost = 58.88 lakhs                                               |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| Operation Phase                                                      | Construction Phase                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |
| Recurring Cost Per Annum = 74.49lakhs<br>Capital Cost = 716.08 lakhs | Recurring Cost Per Annum = 18.14 lakhs<br>Capital Cost = 58.88 lakhs                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                              |                                                                      |                                                                                                                    |     |                                                                                                     |     |                                                               |     |                                                                                        |     |                                                                                   |

The Committee initially sought clarification with respect to the area left out in center as per the conceptual plan, for which the Proponent informed that the area left out is sy no. 160 and does not pertain to the project and has separate free access. The Committee noted the clarification.

The proposal is for construction of a residential apartment project in an area earmarked for agriculture use as per RMP of Bangalore Development Authority, for which Proponent informed that they have obtained conversion of land to residential from DC.

The Committee during appraisal sought details regarding source of water for the proposed project during operation, drain as per village map and rain water harvesting provisions proposed in the project. The Proponent informed the Committee that they have submitted hydrological assessment report for ground water from accredited consultant informing about the availability of ground water of 291.06 KLD for the proposed project and informed the Committee that they will obtain NoC from KGWA for extraction of ground water and have sufficient rainwater harvesting structures to utilize complete rainfall within the site area. Regarding cart track road, Proponent informed the Committee that it is the existing public road which is also the approach road to the project area. For harvesting rain water, Proponent informed that they have proposed storage tank of 560 cum for runoff from rooftop, hardscape and landscape areas in addition to 118 recharge pits within the site area.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 505 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 3217 cum and 96 recharge pits.
5. To grow 505 trees in the early stage before taking up of construction.
6. To provide bellmouth entry and exit in the proposed project.
7. To source external water from KGWA approved water tankers.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.6 Proposed Construction of Data Centre Building Project at Katamanallur Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru Urban District by M/s. NXTRA Data Limited – Online Proposal No.SIA/KA/INFRA2/473990/2024 (SEIAA 72 CON 2024)**

About the project:-

| Sl.No. | Particulars                                                          | Information Provided by Proponent                                                                                                                                                                                |
|--------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent                              | M/s. Nxtra Data Limited,<br>111 & 112, EPIP Industrial Area, Whitefield,<br>Bengaluru, Karnataka State – 560 066.                                                                                                |
| 2      | Name & Location of the Project                                       | “Proposed Construction of Data Centre Building -Total built-up area: 53411.07 Sq.m”<br>located at Survey No: 71 & 72 of Katamanallur Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru Urban District. |
| 3      | Type of Development                                                  |                                                                                                                                                                                                                  |
| a.     | Residential Apartment / Villas / Row Houses / Vertical Development / | Other – Data Centre Building                                                                                                                                                                                     |

|                                  | Office / IT/ ITES/ Mall/ Hotel/ Hospital /other     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
|----------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------|--------|---------------------|--|--|------------------|------|---|-----------------|------|---|------------------|-----|-----|--------------|------|----|----------------------|------|---|--------------------------|-----|-----|-------------------|------|-----|--------------|------|-----|----------------|------|-----|---------------|------|---|------------------|------|-----|-------------|------|----|----------------|------|-----|--------------|------|---|---------------------|------|---|-------------|------|---|-------------------|-------|---|-----------------|-------|----|-----------------|-------|-----|----------------|-------|-----|------------------|-------|-----|------------|------|----|--------------|-------|----|----------------|-------|----|-----------------------|--|--|------------|------|----|---------------|------|----|----------------------------------|------|---|----------------------------|------|-----|---------------|------|----|-----------------|------|---|
| b.                               | Residential Township/ Area Development Projects     | Schedule 8(a): Building and Construction projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| c.                               | Zoning Classification                               | Commercial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| 4                                | New/ Expansion/ Modification/ Renewal               | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| 5                                | Water Bodies/ Nalas in the vicinity of project site | <table> <tr> <th>Environmental Sensitive area</th><th>Dist (~km)</th><th>Direct</th></tr> <tr> <td colspan="3"><b>Water bodies</b></td></tr> <tr><td>Katamnallur Lake</td><td>0.03</td><td>E</td></tr> <tr><td>Konadaspur Lake</td><td>0.27</td><td>W</td></tr> <tr><td>Nimbekaypur Lake</td><td>0.6</td><td>WNW</td></tr> <tr><td>Hoskote Kere</td><td>1.16</td><td>NE</td></tr> <tr><td>Dakshina Pina Kini R</td><td>1.52</td><td>E</td></tr> <tr><td>Yellamallappachetty Kere</td><td>3.5</td><td>WSW</td></tr> <tr><td>Chikka Amani Kere</td><td>4.21</td><td>NNE</td></tr> <tr><td>Kolatur Kere</td><td>6.42</td><td>ENE</td></tr> <tr><td>Kodihalli Kere</td><td>6.64</td><td>ESE</td></tr> <tr><td>Ramapura Kere</td><td>7.21</td><td>W</td></tr> <tr><td>Makanahalli Kere</td><td>8.19</td><td>ESE</td></tr> <tr><td>Hullur Kere</td><td>8.67</td><td>NE</td></tr> <tr><td>Naravala Halla</td><td>8.86</td><td>SSE</td></tr> <tr><td>Kalkeri Kere</td><td>9.42</td><td>W</td></tr> <tr><td>Budigere Amani Kere</td><td>9.74</td><td>N</td></tr> <tr><td>Vartur Kere</td><td>10.3</td><td>S</td></tr> <tr><td>Jadigenhalli Kere</td><td>10.37</td><td>E</td></tr> <tr><td>Gopalapura Kere</td><td>12.08</td><td>NW</td></tr> <tr><td>Bellandur Canal</td><td>12.34</td><td>SSW</td></tr> <tr><td>Nidigatte Kere</td><td>13.12</td><td>ENE</td></tr> <tr><td>Nallurhalli Kere</td><td>13.15</td><td>ENE</td></tr> <tr><td>Begur Kere</td><td>13.7</td><td>NE</td></tr> <tr><td>Bagalur Kere</td><td>14.12</td><td>NW</td></tr> <tr><td>Bellandur Tank</td><td>14.48</td><td>SW</td></tr> <tr> <td colspan="3"><b>Reserve Forest</b></td></tr> <tr><td>Manduru RF</td><td>4.48</td><td>NW</td></tr> <tr><td>Marasandra RF</td><td>5.95</td><td>NW</td></tr> <tr><td>Jadigenhalli State Plantation RF</td><td>6.97</td><td>E</td></tr> <tr><td>Nallal State Plantation RF</td><td>8.65</td><td>ENE</td></tr> <tr><td>Gollahalli RF</td><td>9.07</td><td>NE</td></tr> <tr><td>Jadigenhalli RF</td><td>9.68</td><td>E</td></tr> </table> | Environmental Sensitive area | Dist (~km) | Direct | <b>Water bodies</b> |  |  | Katamnallur Lake | 0.03 | E | Konadaspur Lake | 0.27 | W | Nimbekaypur Lake | 0.6 | WNW | Hoskote Kere | 1.16 | NE | Dakshina Pina Kini R | 1.52 | E | Yellamallappachetty Kere | 3.5 | WSW | Chikka Amani Kere | 4.21 | NNE | Kolatur Kere | 6.42 | ENE | Kodihalli Kere | 6.64 | ESE | Ramapura Kere | 7.21 | W | Makanahalli Kere | 8.19 | ESE | Hullur Kere | 8.67 | NE | Naravala Halla | 8.86 | SSE | Kalkeri Kere | 9.42 | W | Budigere Amani Kere | 9.74 | N | Vartur Kere | 10.3 | S | Jadigenhalli Kere | 10.37 | E | Gopalapura Kere | 12.08 | NW | Bellandur Canal | 12.34 | SSW | Nidigatte Kere | 13.12 | ENE | Nallurhalli Kere | 13.15 | ENE | Begur Kere | 13.7 | NE | Bagalur Kere | 14.12 | NW | Bellandur Tank | 14.48 | SW | <b>Reserve Forest</b> |  |  | Manduru RF | 4.48 | NW | Marasandra RF | 5.95 | NW | Jadigenhalli State Plantation RF | 6.97 | E | Nallal State Plantation RF | 8.65 | ENE | Gollahalli RF | 9.07 | NE | Jadigenhalli RF | 9.68 | E |
| Environmental Sensitive area     | Dist (~km)                                          | Direct                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| <b>Water bodies</b>              |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Katamnallur Lake                 | 0.03                                                | E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Konadaspur Lake                  | 0.27                                                | W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Nimbekaypur Lake                 | 0.6                                                 | WNW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Hoskote Kere                     | 1.16                                                | NE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Dakshina Pina Kini R             | 1.52                                                | E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Yellamallappachetty Kere         | 3.5                                                 | WSW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Chikka Amani Kere                | 4.21                                                | NNE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Kolatur Kere                     | 6.42                                                | ENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Kodihalli Kere                   | 6.64                                                | ESE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Ramapura Kere                    | 7.21                                                | W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Makanahalli Kere                 | 8.19                                                | ESE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Hullur Kere                      | 8.67                                                | NE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Naravala Halla                   | 8.86                                                | SSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Kalkeri Kere                     | 9.42                                                | W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Budigere Amani Kere              | 9.74                                                | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Vartur Kere                      | 10.3                                                | S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Jadigenhalli Kere                | 10.37                                               | E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Gopalapura Kere                  | 12.08                                               | NW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Bellandur Canal                  | 12.34                                               | SSW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Nidigatte Kere                   | 13.12                                               | ENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Nallurhalli Kere                 | 13.15                                               | ENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Begur Kere                       | 13.7                                                | NE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Bagalur Kere                     | 14.12                                               | NW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Bellandur Tank                   | 14.48                                               | SW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| <b>Reserve Forest</b>            |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Manduru RF                       | 4.48                                                | NW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Marasandra RF                    | 5.95                                                | NW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Jadigenhalli State Plantation RF | 6.97                                                | E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Nallal State Plantation RF       | 8.65                                                | ENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Gollahalli RF                    | 9.07                                                | NE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |
| Jadigenhalli RF                  | 9.68                                                | E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |            |        |                     |  |  |                  |      |   |                 |      |   |                  |     |     |              |      |    |                      |      |   |                          |     |     |                   |      |     |              |      |     |                |      |     |               |      |   |                  |      |     |             |      |    |                |      |     |              |      |   |                     |      |   |             |      |   |                   |       |   |                 |       |    |                 |       |     |                |       |     |                  |       |     |            |      |    |              |       |    |                |       |    |                       |  |  |            |      |    |               |      |    |                                  |      |   |                            |      |     |               |      |    |                 |      |   |

|    |                                                                                                             |                                                                                                                                                 |       |     |
|----|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|
|    |                                                                                                             | Tindlu State Plantation RF                                                                                                                      | 11.21 | ESE |
|    |                                                                                                             | Mutsandra RF                                                                                                                                    | 11.36 | NNE |
|    |                                                                                                             | Bettakote RF                                                                                                                                    | 14.36 | N   |
|    |                                                                                                             | Ramachandrapura State Plantation RF                                                                                                             | 14.43 | E   |
|    |                                                                                                             | Marasandra State Plantation RF                                                                                                                  | 14.84 | ESE |
| 6  | Plot Area (Sqm)                                                                                             | 20942.48                                                                                                                                        |       |     |
| 7  | Built Up area (Sqm)                                                                                         | 53411.07                                                                                                                                        |       |     |
| 8  | FAR                                                                                                         |                                                                                                                                                 |       |     |
|    | • Permissible                                                                                               | 3.00                                                                                                                                            |       |     |
|    | • Proposed                                                                                                  | 1.99                                                                                                                                            |       |     |
| 9  | Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | Number of Blocks:<br>1. G+9 floor (terrace and Super Terrace) – Two DC Buildings (DC2 and DC3)<br>2. G+4 Floor (With Terrace) - For DG Building |       |     |
| 10 | Number of units/plots in case of Construction/Residential Township/Area Development Projects                | This is Data Center Building. DC2, DC3 and DG buildings are to be constructed, with a built-up area of 53411.07 Sq.m.                           |       |     |
| 11 | Height Clearance                                                                                            | 68 m (up to lighting arrestor )                                                                                                                 |       |     |
| 12 | Project Cost (Rs. In Crores)                                                                                | 220                                                                                                                                             |       |     |
| 13 | Quantity excavated earth & its management                                                                   | 15736.35 m <sup>3</sup>                                                                                                                         |       |     |
| 14 | Details of Land Use (Sqm)                                                                                   |                                                                                                                                                 |       |     |
|    | Space                                                                                                       | Area (Sq.m)                                                                                                                                     | %     |     |
|    | Total Ground coverage                                                                                       | 5245.45                                                                                                                                         | 25.05 |     |
|    | Parking Area                                                                                                | 2461.25                                                                                                                                         | 11.75 |     |
|    | Utilities                                                                                                   | 1752.09                                                                                                                                         | 8.37  |     |
|    | Loading and unloading platform                                                                              | 118.23                                                                                                                                          | 0.56  |     |
|    | Green belt                                                                                                  | 2585.60                                                                                                                                         | 12.35 |     |
|    | Internal Driveway                                                                                           | 8779.86                                                                                                                                         | 41.92 |     |
|    | Total                                                                                                       | 20942.48                                                                                                                                        | 100   |     |
| a. | Ground Coverage Area                                                                                        | 5245.45 Sq.m                                                                                                                                    |       |     |
| b. | Kharab Land                                                                                                 | 0                                                                                                                                               |       |     |
| c. | Total Green belt on Mother Earth                                                                            | 2585.60 Sq.m                                                                                                                                    |       |     |
| d. | Internal Roads                                                                                              | 8779.86 Sq.m                                                                                                                                    |       |     |
| e. | Paved area                                                                                                  |                                                                                                                                                 |       |     |
| f. | Others Specify                                                                                              | Loading & unloading platform -118.23Sq.m<br>Non FAR area-1752.09Sq.m                                                                            |       |     |
| g. | Parks and Open space in case of Residential Township/ Area Development Projects                             | 2461.25 Sq.m                                                                                                                                    |       |     |
| h. | Total                                                                                                       | 20942.48 Sq.m                                                                                                                                   |       |     |
| 15 | WATER                                                                                                       |                                                                                                                                                 |       |     |
| I. | Construction Phase                                                                                          |                                                                                                                                                 |       |     |
| a. | Source of water                                                                                             | Treated water                                                                                                                                   |       |     |
| b. | Quantity of water for Construction in KLD                                                                   | 200 KLD                                                                                                                                         |       |     |

|                                             |                                                                     |                                                                                                                                                                           |                |                         |                                 |                                          |
|---------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|---------------------------------|------------------------------------------|
| c.                                          | Quantity of water for Domestic Purpose in KLD                       | Phase                                                                                                                                                                     | Population     | Total Fresh Water (KLD) | Sewage (KLD)                    | Treatment method                         |
| d.                                          | Waste water generation in KLD                                       |                                                                                                                                                                           |                |                         |                                 |                                          |
| e.                                          | Treatment facility proposed and scheme of disposal of treated water | Sewage will be treated up to the tertiary level in a Sewage Treatment Plant<br>Treated sewage from 15KLD STP will be used for Greenbelt                                   |                |                         |                                 |                                          |
| II. Operational Phase                       |                                                                     |                                                                                                                                                                           |                |                         |                                 |                                          |
| a.                                          | Total Requirement of Water in KLD                                   | Demands                                                                                                                                                                   | Fresh          | Recycle                 | Total                           |                                          |
|                                             |                                                                     | Domestic                                                                                                                                                                  | 7.2            | 0                       | 7.2                             |                                          |
|                                             |                                                                     | Flushing                                                                                                                                                                  | 4.8            | 0                       | 4.8                             |                                          |
|                                             |                                                                     | Greenbelt                                                                                                                                                                 | 0              | 10.56                   | 10.56                           |                                          |
|                                             |                                                                     | Fire water makeup                                                                                                                                                         | 5.0            | 0                       | 5.0                             |                                          |
|                                             |                                                                     | Total (KLD)                                                                                                                                                               | 17.00          | 10.56                   | 27.56                           |                                          |
| b.                                          | Source of water                                                     | Submitted hydrological assessment report for ground water from NABL accredited consultant informing about the availability of ground water and from rain water harvesting |                |                         |                                 |                                          |
| c.                                          | Wastewater generation in KLD                                        | 10.56                                                                                                                                                                     |                |                         |                                 |                                          |
| d.                                          | STP capacity and Area required                                      | Capacity: 15 KLD                                                                                                                                                          |                |                         |                                 |                                          |
| e.                                          | Technology employed for Treatment                                   | MBR (Membrane Bio Reactor) Technology                                                                                                                                     |                |                         |                                 |                                          |
| f.                                          | Scheme of disposal of excess treated water if any                   | Excess treated water will be stored in the storage tank and it will be reused.                                                                                            |                |                         |                                 |                                          |
| 16 Infrastructure for Rain water harvesting |                                                                     |                                                                                                                                                                           |                |                         |                                 |                                          |
| a.                                          | Capacity of sump/tank to store Roof & Hardscape/soft scaperun off   | 10cum                                                                                                                                                                     |                |                         |                                 |                                          |
|                                             | b.                                                                  | No's of Ground water recharge pits                                                                                                                                        | 4 nos          |                         |                                 |                                          |
| 17 Storm water management plan              |                                                                     |                                                                                                                                                                           |                |                         |                                 |                                          |
| S. No.                                      | Land Breakup                                                        | Allocation                                                                                                                                                                | Area in (Sq.m) | Run off Coefficient     | Intensity of rainfall-I (m/day) | Total Discharge-Qp (m <sup>3</sup> /day) |
| 1                                           | Plinth Area                                                         |                                                                                                                                                                           | 5245.45        | 0.09                    | 0.1438                          | 67.89                                    |
| 2                                           | Parking Area                                                        |                                                                                                                                                                           | 2461.25        | 0.045                   | 0.1438                          | 15.93                                    |
| 3                                           | Green belt                                                          |                                                                                                                                                                           | 2585.6         | 0.045                   | 0.1438                          | 16.73                                    |
| 4                                           | Road and pathway                                                    |                                                                                                                                                                           | 8779.86        | 0.045                   | 0.1438                          | 56.81                                    |
|                                             | Total Area                                                          |                                                                                                                                                                           | 19072.2        | -                       | -                               | 157.36                                   |

**Formula:**  
Discharge, Q= CIA (m<sup>3</sup>/hr)  
Where,  
Q= Discharge (in m<sup>3</sup>/day)  
C=Coefficient of Runoff  
I= Intensity of rainfall (in mm/hr) (Max Flood in 21.09.2017-143.8 mm/day as per IMD station on Bengaluru HAL)

A= Area (in Sq.m)

**Runoff calculation:**

☐ Total runoff Load for one hour =  $156.56/24 = 6.52 \text{ m}^3$

**Recharge pit details:**

☐ Size of tank: diameter -1.2m (dia) x 3.0 m (depth)

☐ Holding capacity of tank (volume): 3.39 m<sup>3</sup>.

☐ Tank required for storage of rainwater is 2 Nos.

But around 4 No's Rainwater Harvesting tanks and one storage tanks are proposed along the storm water drain channel to recharge ground water table.

|                                                                                                                                                                                         |                                                                                                                    |                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>18</b>                                                                                                                                                                               | <b>WASTE MANAGEMENT</b>                                                                                            |                                                                                                                                                                                                                                                                                  |
| <b>I.</b>                                                                                                                                                                               | <b>Construction Phase</b>                                                                                          |                                                                                                                                                                                                                                                                                  |
| a.                                                                                                                                                                                      | Quantity of Construction & Demolition waste and its management.                                                    | Construction Waste: 300 kg/day<br>Management method: Disposed through local vendors and as per the prescribed C&D Rules.                                                                                                                                                         |
| b.                                                                                                                                                                                      | Quantity of Solid waste generation and mode of Disposal other than C&D.                                            | Municipal solid waste: 187.5 kg/day and disposed by Local contractor                                                                                                                                                                                                             |
| <b>II.</b>                                                                                                                                                                              | <b>Operational Phase</b>                                                                                           |                                                                                                                                                                                                                                                                                  |
| a.                                                                                                                                                                                      | Quantity of Biodegradable waste generation and mode of Disposal as per norms<br>(Capacity of OWC & Area required)  | Quantity: 72 kg/day<br>Mode of Disposal: OWC<br>Capacity of facility: 100 kg/day<br>Area required: 10*10 Sq. feet (say 10 Sq.m)                                                                                                                                                  |
| b.                                                                                                                                                                                      | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                  | Quantity: 48 kg/day<br>Mode of Disposal: Authorised vendors<br>Area required: 10*10 Sq.feet (say 10 Sq.m)                                                                                                                                                                        |
| c.                                                                                                                                                                                      | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           | 1. Quantity: 22 KL/Annum (Used oil)<br>Mode of Disposal: KSPCB authorised Vendors<br>Area required: 10*10 Sq.feet (say 10 Sq.m)<br>2. Quantity: 3.3 T/Annum (Residue containing oil)<br>Mode of Disposal: KSPCB authorised Vendors<br>Area required: 10*10 Sq.feet (say 10 Sq.m) |
| d.                                                                                                                                                                                      | Quantity of E waste generation and mode of Disposal as per norms                                                   | Quantity: 1 T/Annum<br>Mode of Disposal: KSPCB authorised Vendors<br>Area required: 10*10 Sq.feet (say 10 Sq.m)                                                                                                                                                                  |
| <b>19</b>                                                                                                                                                                               | <b>POWER</b>                                                                                                       |                                                                                                                                                                                                                                                                                  |
| a.                                                                                                                                                                                      | Total Power Requirement - Operational Phase                                                                        | 45 MVA                                                                                                                                                                                                                                                                           |
| b.                                                                                                                                                                                      | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 36*2250 kVA                                                                                                                                                                                                                                                                      |
| c.                                                                                                                                                                                      | Details of Fuel used for DG Set                                                                                    | HSD                                                                                                                                                                                                                                                                              |
| d.                                                                                                                                                                                      | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | Suitable energy conservation measures such as BMS, SCADA and Solar panel will be provided. Approximate % of energy saving will be around 5-10%.                                                                                                                                  |
| <b>Solar Power Calculation:</b>                                                                                                                                                         |                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| Solar lighting for street lighting and other usage will be used with an intention to utilize available natural resources and prevent any unnecessary usage or wastage of raw materials. |                                                                                                                    |                                                                                                                                                                                                                                                                                  |
| <b>List of building considered for solar panel</b>                                                                                                                                      |                                                                                                                    | <b>Area (Sq.m)</b>                                                                                                                                                                                                                                                               |
| DG building -Terrace (Appr. 50% of roof area)                                                                                                                                           |                                                                                                                    | 379.63                                                                                                                                                                                                                                                                           |
| Car Parking-Terrace (Appr. 100% of roof area)                                                                                                                                           |                                                                                                                    | 2461.25                                                                                                                                                                                                                                                                          |

|                                                                                                                                                          |                                                                                                                               |                                                                                                                                                                           |                               |       |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------|-------------------|
| Sub station building - terrace (Appr. 50% of roof area)                                                                                                  |                                                                                                                               | 168.27                                                                                                                                                                    |                               |       |                   |
| Total                                                                                                                                                    |                                                                                                                               | 3009.15                                                                                                                                                                   |                               |       |                   |
| Total roof area (Sq.m)                                                                                                                                   |                                                                                                                               | 3009.15                                                                                                                                                                   |                               |       |                   |
| Sq.m/1KW                                                                                                                                                 |                                                                                                                               | 12                                                                                                                                                                        |                               |       |                   |
| KW                                                                                                                                                       |                                                                                                                               | 250.7625                                                                                                                                                                  |                               |       |                   |
| Sun hour/day                                                                                                                                             |                                                                                                                               | 5                                                                                                                                                                         |                               |       |                   |
| Average units/day                                                                                                                                        |                                                                                                                               | 1253.813                                                                                                                                                                  |                               |       |                   |
| Units/month (30 days)                                                                                                                                    |                                                                                                                               | 37614.38                                                                                                                                                                  |                               |       |                   |
| 20                                                                                                                                                       | PARKING                                                                                                                       |                                                                                                                                                                           |                               |       |                   |
| a.                                                                                                                                                       | Parking Requirement as per norms (ECS)                                                                                        | 32 ECS                                                                                                                                                                    |                               |       |                   |
| b.                                                                                                                                                       | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                                | SH 35 (Sidiaghatta-Hoskote-Anekal) in front of the site                                                                                                                   |                               |       |                   |
|                                                                                                                                                          |                                                                                                                               | Condition                                                                                                                                                                 | Level of Service              | V/ C  | Classification    |
|                                                                                                                                                          |                                                                                                                               | Existing                                                                                                                                                                  | A                             | <0.35 | Free flow Traffic |
|                                                                                                                                                          |                                                                                                                               | After Implementation of new project                                                                                                                                       | A                             | <0.35 | Free flow Traffic |
| c.                                                                                                                                                       | Internal Road width (RoW)                                                                                                     | 8m                                                                                                                                                                        |                               |       |                   |
| 21                                                                                                                                                       | CER Activities :                                                                                                              |                                                                                                                                                                           |                               |       |                   |
| Tentative CER Activities                                                                                                                                 |                                                                                                                               |                                                                                                                                                                           |                               |       |                   |
| To provide infrastructure facility to Dr. Annie Besant State Scout and Guide Training and Camping Centre, Doddaballapura Taluk, Bangalore Rural District |                                                                                                                               |                                                                                                                                                                           |                               |       |                   |
| 22                                                                                                                                                       | EMP (Details and capital cost & recurring cost)                                                                               | Construction Phase: Capital cost: INR.12.00 Lakhs<br>Recurring cost: INR 36.00 Lakhs<br>Operation Phase: Capital cost: INR 419.84 Lakhs<br>Recurring cost: INR 37.7 Lakhs |                               |       |                   |
| Environmental Budget-Construction phase:                                                                                                                 |                                                                                                                               |                                                                                                                                                                           |                               |       |                   |
| Sl.No                                                                                                                                                    | Description                                                                                                                   | Proposed Capital cost (INR in Lakhs)                                                                                                                                      | Recurring Cost (INR in Lakhs) |       |                   |
| 1.                                                                                                                                                       | 40 KLD package STP for labour                                                                                                 | 0                                                                                                                                                                         | 25.00                         |       |                   |
| 2.                                                                                                                                                       | Provision of the PPE kit for the workers such as safety harness, safety goggles, safety helmets, gloves etc.                  | 0                                                                                                                                                                         | 5.0                           |       |                   |
| 3.                                                                                                                                                       | Water sprinkling through sprinkler for the dust suppression during the construction activities and supply of water for labour | 0                                                                                                                                                                         | 6.0                           |       |                   |
| 4                                                                                                                                                        | Barricades all round the site                                                                                                 | 12.00                                                                                                                                                                     | 0                             |       |                   |
| Total                                                                                                                                                    |                                                                                                                               | 12.00                                                                                                                                                                     | 36.00                         |       |                   |
| Environmental Budget- Operation phase:                                                                                                                   |                                                                                                                               |                                                                                                                                                                           |                               |       |                   |
| Sl.No                                                                                                                                                    | Description                                                                                                                   | Proposed Capital cost (INR in Lakhs)                                                                                                                                      | Recurring Cost                |       |                   |
| 1.                                                                                                                                                       | DG Stacks and acoustics enclosures                                                                                            | 250                                                                                                                                                                       | 15.0                          |       |                   |
| 2.                                                                                                                                                       | Sewage Treatment unit                                                                                                         | 22.34                                                                                                                                                                     | 2.0                           |       |                   |
| 3.                                                                                                                                                       | Organic Waste Converter                                                                                                       | 7.5                                                                                                                                                                       | 0.7                           |       |                   |
| 4.                                                                                                                                                       | Storm water drain & RWH tanks                                                                                                 | 50                                                                                                                                                                        | 5.0                           |       |                   |
| 5.                                                                                                                                                       | Green Belt development                                                                                                        | 10                                                                                                                                                                        | 2.0                           |       |                   |

|   |                          |               |             |
|---|--------------------------|---------------|-------------|
| 6 | Environmental Monitoring | 0             | 5           |
| 7 | Solar panel              | 80            | 8.0         |
|   | <b>Total Cost</b>        | <b>419.84</b> | <b>37.7</b> |

The proposal is for construction of a data center building in an area earmarked for industrial mutation corridor as per RMP of Bangalore Development Authority, for which Proponent informed that they have obtained conversion of land to commercial use from DC.

The Committee during appraisal sought details regarding source of water for the proposed project during operation, water body & drain as per village map and rainwater harvesting provisions proposed in the project. The Proponent informed the Committee that they had obtained hydrology study report NABET accredited consultant and informed about the availability 17 KLD of ground water in the proposed project area and informed the Committee that they will obtain NoC from KGWA for digging and extraction of ground water and have sufficient rainwater harvesting structures to utilize complete rainfall within the site area. For water body & drain in east & South Western sides respectively, Proponent informed that the water body & drain are outside the buffer zone of the project area. For harvesting rainwater, Proponent informed that they have proposed storage tank of capacity 10 cum for runoff from rooftop, hardscape and landscape areas in addition to 04 recharge pits within the site area.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install aerators for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

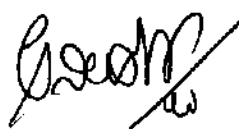
The Proponent agreed to grow 265 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 10 cum and 4 recharge pits.
5. To grow 265 trees in the early stage before taking up of construction.
6. To provide bellmouth entry and exit in the proposed project.
7. To source external water from KGWA approved water tankers.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To explore alternative technology for cooling.
12. To install aerators to conserve water.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.7 Proposed Residential Apartment Building with Club House/Commercial Space Building Project at Sy.No.52/2 of Doddabettanahalli Village, Yelahanka Hobli, Bangalore North Taluk, Bengaluru Urban District by Sri Abdul Azeem – Online Proposal No.SIA/KA/INFRA2/484943/2024 (SEIAA 75 CON 2024)**

**About the project:**

| Sl. No. | Particulars                                                                                                          | Information Provided by Proponent                                                                                                                                                                                                                                 |
|---------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Name & Address of the Project Proponent                                                                              | Sri. Abdul Azeem S/o Abdul Rasheed<br>#3, 2 <sup>nd</sup> F Main Road, 60 Feet Road, Bhoopasandra Exten, Sanjay Nagar, Bangalore North, R.M.V. Extension II Stage, Bangalore- 560094.                                                                             |
| 2       | Name & Location of the Project                                                                                       | Residential Apartment Building with Club House / Commercial Space Building by Sri. Abdul Azeem at Sy.No. 52/2 of Doddabettanahalli Village, Yelahanka Hobli, Bangalore North Taluk, Bengaluru Urban District.                                                     |
| 3       | Type of Development                                                                                                  |                                                                                                                                                                                                                                                                   |
| a.      | Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Proposed Residential Apartment Building Category 8(a)                                                                                                                                                                                                             |
| b.      | Residential Township/ Area Development Projects                                                                      | No                                                                                                                                                                                                                                                                |
| c.      | Zoning Classification                                                                                                | Residential Land                                                                                                                                                                                                                                                  |
| 4       | New/ Expansion/ Modification/ Renewal                                                                                | Expansion of EC (SEIAA 235 CON 2023 dated 30.11.2023)                                                                                                                                                                                                             |
| 5       | Water Bodies/ Nalas in the vicinity of project site                                                                  | Nala 30.0 mts away from the project site.                                                                                                                                                                                                                         |
| 6       | Plot Area (Sqm)                                                                                                      | The total site area is 7,284.28sq.m.                                                                                                                                                                                                                              |
| 7       | Built Up area (Sqm)                                                                                                  | The Gross BUA is 34,054.042sq.m.                                                                                                                                                                                                                                  |
| 8       | FAR <ul style="list-style-type: none"> <li>Permissible</li> <li>Proposed</li> </ul>                                  | Net FAR = 21,694.562Sq.m<br>Achieved FAR: 2.978<br>Permissible FAR : 3.00                                                                                                                                                                                         |
| 9       | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]         | 2 Blocks, Block 1 is Residential Apartment Building with Club House Building having 2 Basement Floors + Ground Floor + 14 Upper Floors + Terrace Floor and Block 2 is Commercial Building having 2 Basement Floor + Ground Floor + 4 Upper Floors + Terrace Floor |
| 10      | Number of units/plots in case of Construction/Residential Township /Area Development Projects                        | 136 units                                                                                                                                                                                                                                                         |
| 11      | Height Clearance                                                                                                     | As per CCZM,<br>Site Elevation in AMSL : 913<br>Permissible top elevation in AMSL : 960<br>Difference in meters : 47.0<br>Height proposed : 44.95 m                                                                                                               |
| 12      | Project Cost (Rs. In Crores)                                                                                         | 68.0 Crores                                                                                                                                                                                                                                                       |

|     |                                                                                 |                                                                                                                                                                                         |            |                            |
|-----|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------|
| 13  | Quantity excavated earth & its management                                       | Details                                                                                                                                                                                 |            | Quantity in m <sup>3</sup> |
|     |                                                                                 | Quantity of excavated soil                                                                                                                                                              |            | 45,560.95                  |
|     |                                                                                 | Excavated earth disposal details                                                                                                                                                        |            |                            |
|     |                                                                                 | Back filling for footings                                                                                                                                                               |            | 22,780.47                  |
|     |                                                                                 | Site filling required                                                                                                                                                                   |            | 5,003.29                   |
|     |                                                                                 | Back filling for retaining wall                                                                                                                                                         |            | 13,912.51                  |
|     |                                                                                 | Top soil for Landscaping                                                                                                                                                                |            | 1,876.94                   |
|     |                                                                                 | Filling for internal roads                                                                                                                                                              |            | 1,987.74                   |
|     |                                                                                 | Total                                                                                                                                                                                   |            | 45,560.95                  |
| 14  | Details of Land Use (Sqm)                                                       |                                                                                                                                                                                         |            |                            |
| a.  | Ground Coverage Area                                                            | 2,280.99m2                                                                                                                                                                              |            |                            |
| b.  | Kharab Land                                                                     | --                                                                                                                                                                                      |            |                            |
| c.  | Total Green belt on Mother Earth                                                | 1,027.81 m2                                                                                                                                                                             |            |                            |
| d.  | Pathway & Driveway Area                                                         | 3,975.48 m2                                                                                                                                                                             |            |                            |
| e.  | Paved area                                                                      | --                                                                                                                                                                                      |            |                            |
| f.  | Others Specify                                                                  | --                                                                                                                                                                                      |            |                            |
| g.  | Parks and Open space in case of Residential Township/ Area Development Projects | NA                                                                                                                                                                                      |            |                            |
| h.  | Total                                                                           | 7,284.28sq.m.                                                                                                                                                                           |            |                            |
| 15  | WATER                                                                           |                                                                                                                                                                                         |            |                            |
| I.  | Construction Phase                                                              |                                                                                                                                                                                         |            |                            |
| a.  | Source of water                                                                 | From Nearby treated water suppliers                                                                                                                                                     |            |                            |
| b.  | Quantity of water for Construction in KLD                                       | 50 KLD                                                                                                                                                                                  |            |                            |
| c.  | Quantity of water for Domestic Purpose in KLD                                   | 10 KLD                                                                                                                                                                                  |            |                            |
| d.  | Waste water generation in KLD                                                   | 8 KLD                                                                                                                                                                                   |            |                            |
| e.  | Treatment facility proposed and scheme of disposal of treated water             | The sewage generated during the construction phase will be treated in the Mobile STP                                                                                                    |            |                            |
| II. | Operational Phase                                                               |                                                                                                                                                                                         |            |                            |
| a.  | Total Requirement of Water in KLD                                               | Fresh                                                                                                                                                                                   | 69.52      |                            |
|     |                                                                                 | Recycled                                                                                                                                                                                | 37.83      |                            |
|     |                                                                                 | Total                                                                                                                                                                                   | 107.35 KLD |                            |
| b.  | Source of water                                                                 | BWSSB                                                                                                                                                                                   |            |                            |
| c.  | Wastewater generation in KLD                                                    | 91.24 KLD                                                                                                                                                                               |            |                            |
| d.  | STP capacity and Area required                                                  | 100 KLD and 95sq.m.                                                                                                                                                                     |            |                            |
| e.  | Technology employed for Treatment                                               | SBR Technology                                                                                                                                                                          |            |                            |
| f.  | Scheme of disposal of excess treated water if any                               | No Disposal. The treated water will be reused for toilet flushing, landscaping in the project site, avenue plantation and Reuse after treating with ultrafiltration and reverse osmosis |            |                            |
| 16  | Infrastructure for Rain water harvesting                                        |                                                                                                                                                                                         |            |                            |
| a.  | Capacity of sump/tank to store Roof & Hardscape/soft scape run off              | 513.0 cu.m.                                                                                                                                                                             |            |                            |
| b.  | No's of Ground water recharge pits                                              | 13.0 Nos.                                                                                                                                                                               |            |                            |
| 17  | Storm water management plan                                                     | The storm water from the site will be collected by rainwater harvesting system and will be used for                                                                                     |            |                            |

|     |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                                                                                                                    | recharging the ground water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 18  | <b>WASTE MANAGEMENT</b>                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| I.  | <b>Construction Phase</b>                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| a.  | Quantity of Construction & Demolition waste and its management.                                                    | Demolition Waste:Nil<br>Construction Waste:Nil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| b.  | Quantity of Solid waste generation and mode of Disposal other than C&D.                                            | No of labours = 100 Nos.<br>Per capita of waste generated = 0.4 kg/day<br>Separate collection bins will be used for organic and inorganic waste. Organic waste will be converted in organic convertor. Inorganic solid waste will be handed over to authorized recyclers.                                                                                                                                                                                                                                                                                                    |
| II. | <b>Operational Phase</b>                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| a.  | Quantity of Biodegradable waste generation and mode of Disposal as per norms<br>(Capacity of OWC & Area required)  | Quantity: 119.32 kg/day<br>Mode of Disposal: Biodegradable waste will be converted in organic convertor<br>Capacity of facility: 5 tons<br>Area required:65sq.m.                                                                                                                                                                                                                                                                                                                                                                                                             |
| b.  | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                  | Quantity: 178.98 kg/day<br>Mode of Disposal: Non- Biodegradable waste will be handed over to authorized recyclers<br>Area required:90sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| c.  | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           | Nil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| d.  | Quantity of E waste generation and mode of Disposal as per norms                                                   | E-waste generation will be very less                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 19  | <b>POWER</b>                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| a.  | Total Power Requirement - Operational Phase                                                                        | 1000kVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| b.  | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 1 X 1000 kVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| c.  | Details of Fuel used for DG Set                                                                                    | HSD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| d.  | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | <ul style="list-style-type: none"> <li>• Energy saved by using Solar water Heater : 50,000kWH/ Year.....(a)</li> <li>• Solar Power Generation :</li> <li>• In non-monsoon season 100kWH x 30 x 8 Months = 24,000 kWH</li> <li>• In monsoon season 50kWH x 30 x 4 Months = 6,000 kWH</li> <li>• Total SPV Power Generation in a year = 0.30 L kWH / Annum.....(b)</li> <li>• Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 0.50+0.30 L KWH = 0.8 L / Annum .....(c)</li> <li>• Total energy savings = 27.39%</li> </ul> |
| 20  | <b>PARKING</b>                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| a.  | Parking Requirement as per norms                                                                                   | 274 ECS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                         | (ECS)                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------------------|-----|--|-----|---------------------------------------------------------------------------------------|
| b.                                      | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                         | Major Sandeep Unnikrishnan Road                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| c.                                      | Internal Road width (RoW)                                                                                              | 8.0 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| 21                                      | CER Activities                                                                                                         | <table><tr><td>Year</td><td>Corporate Environmental Responsibility (CER)</td></tr><tr><td>1st</td><td>Providing Painting work &amp; Solar power panels to GHPS School at Lakshmipura Village, Bangalore Urban District – 560097.</td></tr><tr><td>2nd</td><td>Rain Water Harvesting in GHPS School at Lakshmipura Village, Bangalore Urban District – 560097.</td></tr><tr><td>3rd</td><td>Scientific support and awareness to local farmers to increase yield of crop and fodder</td></tr><tr><td>4th</td><td></td></tr><tr><td>5th</td><td>Health camp in GHPS School at Lakshmipura Village, Bangalore Urban District – 560097.</td></tr></table> | Year                           | Corporate Environmental Responsibility (CER) | 1st             | Providing Painting work & Solar power panels to GHPS School at Lakshmipura Village, Bangalore Urban District – 560097. | 2nd                                     | Rain Water Harvesting in GHPS School at Lakshmipura Village, Bangalore Urban District – 560097. | 3rd                         | Scientific support and awareness to local farmers to increase yield of crop and fodder | 4th |  | 5th | Health camp in GHPS School at Lakshmipura Village, Bangalore Urban District – 560097. |
| Year                                    | Corporate Environmental Responsibility (CER)                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| 1st                                     | Providing Painting work & Solar power panels to GHPS School at Lakshmipura Village, Bangalore Urban District – 560097. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| 2nd                                     | Rain Water Harvesting in GHPS School at Lakshmipura Village, Bangalore Urban District – 560097.                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| 3rd                                     | Scientific support and awareness to local farmers to increase yield of crop and fodder                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| 4th                                     |                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| 5th                                     | Health camp in GHPS School at Lakshmipura Village, Bangalore Urban District – 560097.                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| 22                                      | EMP (Details and capital cost & recurring cost)                                                                        | <table><tr><th colspan="2">EMP (Construction &amp; Operation)</th></tr><tr><th>Operation Phase</th><th>Construction Phase</th></tr><tr><td>Recurring Cost Per Annum = 27.0755lakhs</td><td>Recurring Cost Per Annum = 16.69lakhs</td></tr><tr><td>Capital Cost = 184.83 lakhs</td><td>Capital Cost = 41.36 lakhs</td></tr></table>                                                                                                                                                                                                                                                                                                                   | EMP (Construction & Operation) |                                              | Operation Phase | Construction Phase                                                                                                     | Recurring Cost Per Annum = 27.0755lakhs | Recurring Cost Per Annum = 16.69lakhs                                                           | Capital Cost = 184.83 lakhs | Capital Cost = 41.36 lakhs                                                             |     |  |     |                                                                                       |
| EMP (Construction & Operation)          |                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| Operation Phase                         | Construction Phase                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| Recurring Cost Per Annum = 27.0755lakhs | Recurring Cost Per Annum = 16.69lakhs                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |
| Capital Cost = 184.83 lakhs             | Capital Cost = 41.36 lakhs                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                              |                 |                                                                                                                        |                                         |                                                                                                 |                             |                                                                                        |     |  |     |                                                                                       |

The proposal is for modification of EC. While the earlier EC was issued by SEIAA on 30.11.2023 for BUA of 38,565.35 Sqm in plot area of 7,251 Sqm now it is proposed for BUA of 34,054.042 Sqm in plot area of 7,284.28 Sqm. The Proponent informed that have not started any construction activity in site and submitted the latest site photographs with date and as no construction activity has been started, Proponent justified for not submitting CCR for the earlier EC.

The Committee during appraisal sought details regarding cart track in east as per village map and provisions for rain water harvesting in the project proposed. The Proponent informed the Committee that the cart track is an existing public road which is also the approach road to the project area. For harvesting rain water, Proponent informed that they have proposed storage tank of 795 cum for runoff from rooftop and another tank of 513 cum for runoff from hardscape and landscape areas along with 13 recharge pits within the site area.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 95 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 2x130cum and 6 recharge pits.
5. To grow 95 trees in the early stage before taking up of construction.
6. To source external water from KGWA approved water tankers.
7. To provide bellmouth entry and exit in the proposed project.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.2.8 Building Stone Quarry Project at Madahalli village in Gundlupete Taluk, Chamarajanagara District (2-00 Acres) by Sri Nagappa – Online Proposal No.SIA/KA/MIN/485154/2024 (SEIAA 102 MIN 2024)**

**About the project:**

| Sl.No | PARTICULARS                                                              | INFORMATION PROVIDED BY PP                                                                                                 |
|-------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1     | Name & Address of the Projects Proponent                                 | Sri Nagappa                                                                                                                |
| 2     | Name & Location of the Project                                           | Building Stone Quarry Project at Sy.No.375 of Madahalli village in Gundlupete Taluk, Chamarajanagara District (2-00 Acres) |
|       |                                                                          | N 11° 48' 26.6105" E 76° 39' 21.1100"                                                                                      |
|       |                                                                          | N 11° 48' 26.3387" E 76° 39' 23.3152"                                                                                      |
|       |                                                                          | N 11° 48' 26.1001" E 76° 39' 23.2200"                                                                                      |
|       |                                                                          | N 11° 48' 23.7654" E 76° 39' 22.7655"                                                                                      |
|       |                                                                          | N 11° 48' 23.8050" E 76° 39' 18.6632"                                                                                      |
|       |                                                                          | N 11° 48' 25.3221" E 76° 39' 18.8754"                                                                                      |
|       |                                                                          | N 11° 48' 25.3052" E 76° 39' 21.1101"                                                                                      |
| 3     | Type Of Mineral                                                          | Building Stone Quarry                                                                                                      |
| 4     | New/Expansion/Modification/Renewal                                       | New                                                                                                                        |
| 5     | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other] | Patta                                                                                                                      |
| 6     | Area in Acres                                                            | 2-00 Acres                                                                                                                 |
| 7     | Annual Production (Metric Ton/Cum) Per Annum                             | 51,020 Tones/ Annum (including waste)                                                                                      |
| 8     | Project Cost (Rs. In Crores)                                             | Rs. 0.25 Crores (Rs. 25 Lakhs)                                                                                             |

|    |                                                                                                                                                     |                                                                  |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 9  | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                         | 8,99,839Tones (including waste)                                  |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                           | 50,000 Tones / Annum (excluding waste)                           |
| 11 | CER Activities: Propose take up 200 No. of additional plantation on either side of the approach road from quarry location to Madahalli Village Road |                                                                  |
| 12 | EMP Budget                                                                                                                                          | Rs. 10.95 lakhs (Capital Cost) & Rs. 3.43 lakhs (Recurring cost) |
| 13 | Forest NOC                                                                                                                                          | 04.09.2023                                                       |
| 14 | Quarry plan                                                                                                                                         | 14.03.2024                                                       |
| 15 | Cluster certificate                                                                                                                                 | 19.03.2024                                                       |
| 16 | Notification                                                                                                                                        | 01.03.2024                                                       |
| 17 | Revenue                                                                                                                                             | 12.09.2023                                                       |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that no mining has been carried out by Proponent and justified that the proposed project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there are 7 leases in a radius of 500 mtr from the said lease out of which 3 leases are exempted from cluster as leases were granted prior to 09.09.2013 and total area of the remaning leases including the applied lease is 10-22 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 1200 meters connecting the lease area to the all-weather black topped road. The Committee informed that the mining operation should be commenced after asphaltting the approach road to the quarry and road connecting the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation, for which the Proponent agreed.

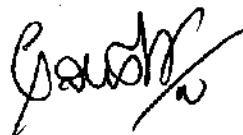
The Proponent has collected baseline data and informed that all were within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 8,99,839 Tons (including waste) and estimated the life of the quarry to be 18 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 51,020 Tons/year (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road& buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
- 6.To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.9 Building Stone Quarrying Project at Parthanahalli Village, Athani Taluk, Belagavi District (7-20 Acres) by M/s. Bhagyashri Stone Crusher – Online Proposal No.SIA/KA/MIN/471692/2024 (SEIAA 103 MIN 2024)**

**About the project:**

| Sl.No | PARTICULARS                                                                                                                                             | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Name & Address of the Projects Proponent                                                                                                                | M/s. Bhagyashri Stone Crusher                                                                                                                                                                                                                                                                                                                                                                                        |
| 2     | Name & Location of the Project                                                                                                                          | Building Stone Quarrying Project at Sy. No.153/4 of Parthanahalli Village, Athani Taluk, Belagavi District (7-20 Acres)<br><br><div style="display: flex; justify-content: space-between;"> <div>Latitude</div> <div>Longitude</div> </div> <b>N 16°46'27.4233" E75°06'24.2335"</b><br><b>N 16°46'31.1935" E75°06'24.0347"</b><br><b>N 16°46'28.8097" E75°06'33.9676"</b><br><b>N 16°46'25.8225" E75°06'34.1996"</b> |
| 3     | Type Of Mineral                                                                                                                                         | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                                |
| 4     | New/Expansion/Modification/Renewal                                                                                                                      | New                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5     | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                                | Patta                                                                                                                                                                                                                                                                                                                                                                                                                |
| 6     | Area in Acres                                                                                                                                           | 7-20 Acres                                                                                                                                                                                                                                                                                                                                                                                                           |
| 7     | Annual Production (Metric Ton / Cum) Per Annum                                                                                                          | 53,158 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                |
| 8     | Project Cost (Rs. In Crores)                                                                                                                            | Rs. 1.75 Crores (Rs. 175 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                      |
| 9     | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                             | 15,94,737 Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                    |
| 10    | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                               | 50,500 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                                               |
| 11    | CER Activities: Propose take up 250 No. of additional plantation on either side of the approach road from quarry location to Parthanahalli Village Road |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 12    | EMP Budget                                                                                                                                              | Rs. 31.00 lakhs (Capital Cost) & Rs. 14.15 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                                    |
| 13    | Forest NOC                                                                                                                                              | 23.11.2023                                                                                                                                                                                                                                                                                                                                                                                                           |
| 14    | Quarry plan                                                                                                                                             | 10.06.2024                                                                                                                                                                                                                                                                                                                                                                                                           |
| 15    | Cluster certificate                                                                                                                                     | 10.06.2024                                                                                                                                                                                                                                                                                                                                                                                                           |
| 16    | Notification                                                                                                                                            | 15.04.2024                                                                                                                                                                                                                                                                                                                                                                                                           |
| 17    | Revenue                                                                                                                                                 | 15.11.2023                                                                                                                                                                                                                                                                                                                                                                                                           |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that as per DMG letter dated 08.05.2024, soil cover is removed for agriculture purpose and trial pit was done to check the availability of mineral and the excavated mineral is stored within the site area and no mining has been carried out by Proponent and justified that the proposed project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there is no lease in a radius of 500 mtr from the said lease and the total area of the present lease is 7-20 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 450 meters connecting the lease area to the all-weather black topped road. The Committee informed that the mining operation should be commenced after asphaltting the approach road to the quarry and road connecting the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data and informed that all were within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 15,94,737 Tons (including waste) and estimated the life of the quarry to be 30 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 53,158 Tons/year (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road & buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.10 Expansion of Building Stone Quarry Project at Ivagilu village in Ramanagara Taluk & District (QL No. 1127) (3-00 Acres) by M/s. G. H. N. Stone Crusher – Online Proposal No.SIA/KA/MIN/485437/2024 (SEIAA 104 MIN 2024)**

**About the project:**

| SLNo | PARTICULARS                                                              | INFORMATION PROVIDED BY PP                                                                                                          |                    |
|------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1    | Name & Address of the Projects Proponent                                 | M/s. G. H. N. Stone Crusher                                                                                                         |                    |
| 2    | Name & Location of the Project                                           | Expansion of Building Stone Quarry Project at Sy.No.13 of Ivagilu village in Ramanagara Taluk & District (QL No. 1127) (3-00 Acres) |                    |
|      |                                                                          | N12° 45' 25.1045"                                                                                                                   | E 77° 22' 00.4030" |
|      |                                                                          | N12° 45' 22.6947"                                                                                                                   | E 77° 22' 00.8960" |
|      |                                                                          | N12° 45' 22.0811"                                                                                                                   | E 77° 21' 55.9584" |
|      |                                                                          | N12° 45' 24.6950"                                                                                                                   | E 77° 21' 55.6453" |
| 3    | Type Of Mineral                                                          | Building Stone Quarry                                                                                                               |                    |
| 4    | New/Expansion/Modification/Renewal                                       | Expansion                                                                                                                           |                    |
| 5    | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other] | Government                                                                                                                          |                    |
| 6    | Area in Acres                                                            | 3-00 Acres                                                                                                                          |                    |
| 7    | Annual Production (Metric Ton / Cum)                                     | 2,04,750 Tones/ Annum (including waste)                                                                                             |                    |

|    |                                                                                                                                                                            |                                                                  |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|    | Per Annum                                                                                                                                                                  |                                                                  |
| 8  | Project Cost (Rs. In Crores)                                                                                                                                               | Rs.0.30 Crores (Rs.30 Lakhs)                                     |
| 9  | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                                                | 11,67,712 Tones (including waste)                                |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                                  | 2,00,655 Tones/ Annum (excluding waste)                          |
| 11 | <b>CER Activities:</b> Propose take up 300 No. of additional plantation on either side of the approach road from quarry location to Ivagilu Village Road and Govt. School. |                                                                  |
| 12 | EMP Budget                                                                                                                                                                 | Rs. 13.45 lakhs (Capital Cost) & Rs. 4.85 lakhs (Recurring cost) |
| 13 | Forest NOC                                                                                                                                                                 | 02.03.2024                                                       |
| 14 | Quarry plan                                                                                                                                                                | 09.05.2024                                                       |
| 15 | Cluster certificate                                                                                                                                                        | 22.05.2024                                                       |
| 16 | CCR from MoEF&CC                                                                                                                                                           | 19.06.2024                                                       |
| 17 | Audit Report                                                                                                                                                               | 23.04.2024                                                       |

The proposal is for expansion of building stone quarry, for which EC was issued earlier by SEIAA on 14.06.2019 and lease was in effect from 26.10.2004 with QL 1127. The Proponent submitted an audit report till 2023-24 certified by DMG dated 23.04.2024 and CCR from MoEF&CC dated 19.06.2024 informing that quarry was not in operation.

There is an existing cart track road to a length of 1000 meters connecting lease area to the all-weather black topped road. The Committee informed that the proposed expansion in quantity should be commenced after asphaltting the approach road to the quarry and road leading to crusher as per IRC standard norms and to grow trees all along the approach road, for which the Proponent agreed.

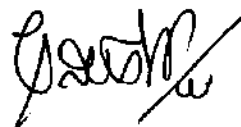
The Proponent has collected baseline data of air, water, soil and noise which are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 11,67,712 Tones (including waste) and estimated the life of mine to be 6 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 2,04,750 Tones/Annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road & buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.2.11 Building Stone Quarry Project at Kattige Village, Honnali Taluk & Davanagere District (6-00 Acre) (2.429 Ha) by M/s. Revana Siddeshwara Stone Crusher - Sri C Dhananjaya S/o Ramanagowda – Online Proposal No.SIA/KA/MIN/470820/2024 (SEIAA 101 MIN 2024)**

**About the project:**

| Sl.No | PARTICULARS                                                                                                                                         | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                           |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Name & Address of the Projects Proponent                                                                                                            | M/s. Revana Siddeshwara Stone Crusher - Sri C Dhananjaya S/o Ramanagowda                                                                                                                                                                                                                                                                                                                             |
| 2     | Name & Location of the Project                                                                                                                      | Building Stone Quarry Project at Sy.Nos.243, 244, 245/1 & 2 45/2 of Kattige Village, Honnali Taluk & Davanagere District (6-00 Acre) (2.429 Ha)<br>N14°14'24.0412" E75°31'49.5383"<br>N14°14'24.3243" E75°31'52.3142"<br>N14°14'20.6055" E75°31'52.8034"<br>N14°14'18.2056" E75°31'53.0034"<br>N14°14'17.7315" E75°31'48.3863"<br>N14°14'22.4467" E75°31'47.8249"<br>N14°14'22.6163" E75°31'49.6587" |
| 3     | Type Of Mineral                                                                                                                                     | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                |
| 4     | New / Expansion / Modification / Renewal                                                                                                            | New                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5     | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                            | Patta                                                                                                                                                                                                                                                                                                                                                                                                |
| 6     | Area in Acres                                                                                                                                       | 6-00 Acre (2.429 Ha)                                                                                                                                                                                                                                                                                                                                                                                 |
| 7     | Annual Production (Metric Ton / Cum) Per Annum                                                                                                      | 1,77,647 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                              |
| 8     | Project Cost (Rs. In Crores)                                                                                                                        | Rs. 1.00 Crores (Rs. 100 Lakhs)                                                                                                                                                                                                                                                                                                                                                                      |
| 9     | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                         | 20,58,824Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                     |
| 10    | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                           | 1,51,000 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                             |
| 11    | CER Activities: Propose take up 1,000 No. of additional plantation on either side of the approach road from quarry location to Kattige Village Road |                                                                                                                                                                                                                                                                                                                                                                                                      |
| 12    | EMP Budget                                                                                                                                          | Rs. 24.40 lakhs (Capital Cost) & Rs. 14.80 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                    |
| 13    | Forest NOC                                                                                                                                          | 13.02.2024                                                                                                                                                                                                                                                                                                                                                                                           |
| 14    | Quarry plan                                                                                                                                         | 18.05.2024                                                                                                                                                                                                                                                                                                                                                                                           |
| 15    | Cluster certificate                                                                                                                                 | 05.06.2024                                                                                                                                                                                                                                                                                                                                                                                           |
| 16    | Notification                                                                                                                                        | 22.04.2024                                                                                                                                                                                                                                                                                                                                                                                           |
| 17    | Revenue                                                                                                                                             | 05.02.2024                                                                                                                                                                                                                                                                                                                                                                                           |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that earlier old material of adjacent area was stacked in the proposed area and presently it has been removed and no mining has been carried out by Proponent and informed that project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there are three leases in a radius of 500 mtrs from the applied lease and the total area of the leases including the applied lease is 10-35 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 700 meters connecting the lease area to the all-weather black topped road. The Committee informed that the mining operation should be commenced after asphaltting the approach road to the quarry and road connecting the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data and informed that all were within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 20,58,824 Tons (including waste) and estimated the life of the quarry to be 12 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 1,77,647 Tons/year (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road & buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.12 Building Stone Quarry Project at Itnal village, Savadatti Taluk, Belagavi District (3-00 Acres) by Smt. Hema Ningappa Udupudi – Online Proposal No.SIA/KA/MIN/481628/2024 (SEIAA 96 MIN 2024)**

**About the project:**

| SLNo             | PARTICULARS                                                              | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 1                | Name & Address of the Projects Proponent                                 | Smt. Hema Ningappa Udupudi                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 2                | Name & Location of the Project                                           | Building Stone Quarry Project at Sy. Nos.338/2 & 338/3 of Itnal village, Savadatti Taluk, Belagavi District (3-00 Acres) <table><tr><th>Latitude</th><th>Longitude</th></tr><tr><td>N 16°04'59.9713"</td><td>E 75°05'01.4359"</td></tr><tr><td>N 16°05'00.7978"</td><td>E 75°04'55.0968"</td></tr><tr><td>N 16°04'58.9600"</td><td>E 75°04'54.6902"</td></tr><tr><td>N 16°04'58.4501"</td><td>E 75°04'57.8910"</td></tr><tr><td>N 16°04'57.6771"</td><td>E 75°05'01.0315"</td></tr></table> | Latitude | Longitude | N 16°04'59.9713" | E 75°05'01.4359" | N 16°05'00.7978" | E 75°04'55.0968" | N 16°04'58.9600" | E 75°04'54.6902" | N 16°04'58.4501" | E 75°04'57.8910" | N 16°04'57.6771" | E 75°05'01.0315" |
| Latitude         | Longitude                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 16°04'59.9713" | E 75°05'01.4359"                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 16°05'00.7978" | E 75°04'55.0968"                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 16°04'58.9600" | E 75°04'54.6902"                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 16°04'58.4501" | E 75°04'57.8910"                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| N 16°04'57.6771" | E 75°05'01.0315"                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 3                | Type Of Mineral                                                          | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 4                | New / Expansion / Modification / Renewal                                 | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 5                | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other] | Patta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 6                | Area in Acres                                                            | 3-00 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 7                | Annual Production (Metric Ton / Cum) Per Annum                           | 51,417 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

|    |                                                                                                                                                 |                                                                  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 8  | Project Cost (Rs. In Crores)                                                                                                                    | Rs. 0.35 Crores (Rs. 35 Lakhs)                                   |
| 9  | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                     | 8,77,105 Tones (including waste)                                 |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                       | 50,389 Tones / Annum (excluding waste)                           |
| 11 | CER Activities: Propose take up 400 No. of additional plantation on either side of the approach road from quarry location to Itnal Village Road |                                                                  |
| 12 | EMP Budget                                                                                                                                      | Rs. 13.35 lakhs (Capital Cost) & Rs. 4.55 lakhs (Recurring cost) |
| 13 | Forest NOC                                                                                                                                      | 20.06.2022                                                       |
| 14 | Quarry plan                                                                                                                                     | 18.05.2024                                                       |
| 15 | Cluster certificate                                                                                                                             | 21.05.2024                                                       |
| 16 | Notification                                                                                                                                    | 12.02.2024                                                       |
| 17 | Revenue                                                                                                                                         | 08.06.2022                                                       |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that as per DMG mahajar report dated 28.12.2023, while digging well, soil is removed and top soil rich in iron has been removed and used for agriculture purpose by local farmers and informed that no mining has been carried out by Proponent till date and justified that the proposed project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there are another 5 leases in a radius of 500 mtr from the said lease, out of which 4 leases are exempted from cluster as EC was granted prior to 15.01.2016 and the total area of the remaining lease including the applied lease is 5-00 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 340 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphaltting the approach road to the quarry and road connecting the crusher as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

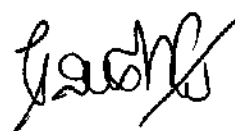
The Proponent has collected baseline data and informed that are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 8,77,105 ton (including waste) and estimated the life of mine to be 18 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 51,417 ton/ Annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road& buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

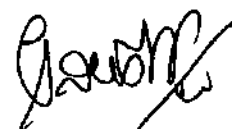



**314.2.13 Expansion of Building Stone Quarry Project at Naganala Village, Kolar Taluk, Kolar District (Q.L.No.1042) (6-00 Acres) by Sri R Prabhakar – Online Proposal No.SIA/KA/MIN/484487/2024 (SEIAA 106 MIN 2024)**

**About the project:**

| Sl. No            | PARTICULARS                                                                                                | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
|-------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------|-------------------|----------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------|-------------------|----------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1                 | Name & Address of the Projects Proponent                                                                   | Sri R Prabhakar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 2                 | Name & Location of the Project                                                                             | Expansion of Building Stone Quarry Project at Sy.No.42(P) of Naganala Village, Kolar Taluk, Kolar District (Q.L.No.1042) (6-00 Acres) <table><tr><td>N 13° 11' 9.8163"</td><td>E 78° 3' 32.1252"</td></tr><tr><td>N 13° 11' 9.6874"</td><td>E 78° 3' 35.9642"</td></tr><tr><td>N 13° 11' 8.8120"</td><td>E 78° 3' 36.0520"</td></tr><tr><td>N 13° 11' 8.5954"</td><td>E 78° 3' 38.6836"</td></tr><tr><td>N 13° 11' 6.8380"</td><td>E 78° 3' 36.8596"</td></tr><tr><td>N 13° 11' 5.8763"</td><td>E 78° 3' 40.4125"</td></tr><tr><td>N 13° 11' 3.1702"</td><td>E 78° 3' 45.0871"</td></tr><tr><td>N 13° 11' 2.8185"</td><td>E 78° 3' 45.2225"</td></tr><tr><td>N 13° 11' 6.8990"</td><td>E 78° 3' 32.5450"</td></tr></table> | N 13° 11' 9.8163" | E 78° 3' 32.1252"                            | N 13° 11' 9.6874" | E 78° 3' 35.9642"                                                                                          | N 13° 11' 8.8120" | E 78° 3' 36.0520"                                      | N 13° 11' 8.5954" | E 78° 3' 38.6836"                                                          | N 13° 11' 6.8380" | E 78° 3' 36.8596"                                                                                   | N 13° 11' 5.8763" | E 78° 3' 40.4125"                      | N 13° 11' 3.1702" | E 78° 3' 45.0871" | N 13° 11' 2.8185" | E 78° 3' 45.2225" | N 13° 11' 6.8990" | E 78° 3' 32.5450" |
| N 13° 11' 9.8163" | E 78° 3' 32.1252"                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| N 13° 11' 9.6874" | E 78° 3' 35.9642"                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| N 13° 11' 8.8120" | E 78° 3' 36.0520"                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| N 13° 11' 8.5954" | E 78° 3' 38.6836"                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| N 13° 11' 6.8380" | E 78° 3' 36.8596"                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| N 13° 11' 5.8763" | E 78° 3' 40.4125"                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| N 13° 11' 3.1702" | E 78° 3' 45.0871"                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| N 13° 11' 2.8185" | E 78° 3' 45.2225"                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| N 13° 11' 6.8990" | E 78° 3' 32.5450"                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 3                 | Type Of Mineral                                                                                            | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 4                 | New/Expansion/Modification/ Renewal                                                                        | Expansion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 5                 | Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]                                     | Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 6                 | Area in Acres                                                                                              | 6-00 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 7                 | Annual Production (Metric Ton / Cum) Per Annum                                                             | 6,31,579 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 8                 | Project Cost (Rs. In Crores)                                                                               | Rs. 2.01 Crores (Rs. 201 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 9                 | Proved Quantity of mine/ Quarry-Cu.m / Ton                                                                 | 41,51,941 Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 10                | Permitted Quantity Per Annum - Cu.m / Ton                                                                  | 6,00,000 Tones/ Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 11                | CER Activities:                                                                                            | <table><tr><th>Year</th><th>Corporate Environmental Responsibility (CER)</th></tr><tr><td>1<sup>st</sup></td><td>The proponent proposes to distribute nursery plants at Naganala village and Strengthening of approach Road</td></tr><tr><td>2<sup>nd</sup></td><td>Rain water harvesting pits to GHPS at Naganala village</td></tr><tr><td>3<sup>rd</sup></td><td>Solar Power Panels in Government Higher primary school at Naganala village</td></tr><tr><td>4<sup>th</sup></td><td>Avenue plantation either side of the approach road near Quarry site &amp; Repair of road With drainages</td></tr><tr><td>5<sup>th</sup></td><td>Health camp in nearby community places</td></tr></table>                             | Year              | Corporate Environmental Responsibility (CER) | 1 <sup>st</sup>   | The proponent proposes to distribute nursery plants at Naganala village and Strengthening of approach Road | 2 <sup>nd</sup>   | Rain water harvesting pits to GHPS at Naganala village | 3 <sup>rd</sup>   | Solar Power Panels in Government Higher primary school at Naganala village | 4 <sup>th</sup>   | Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages | 5 <sup>th</sup>   | Health camp in nearby community places |                   |                   |                   |                   |                   |                   |
| Year              | Corporate Environmental Responsibility (CER)                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 1 <sup>st</sup>   | The proponent proposes to distribute nursery plants at Naganala village and Strengthening of approach Road |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 2 <sup>nd</sup>   | Rain water harvesting pits to GHPS at Naganala village                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 3 <sup>rd</sup>   | Solar Power Panels in Government Higher primary school at Naganala village                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 4 <sup>th</sup>   | Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 5 <sup>th</sup>   | Health camp in nearby community places                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 12                | EMP Budget                                                                                                 | Rs. 69.64 lakhs (Capital Cost) & Rs. 8.86 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 13                | Quarry plan                                                                                                | 20.06.2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 14                | Cluster certificate                                                                                        | 21.06.2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |
| 15                | Audit Report                                                                                               | 03.07.2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                              |                   |                                                                                                            |                   |                                                        |                   |                                                                            |                   |                                                                                                     |                   |                                        |                   |                   |                   |                   |                   |                   |

The proposal is for expansion, for which EC was issued earlier by SEIAA on 27.06.2023 and lease was granted on 31.03.2023 with QL no. 1042. The Proponent informed the Committee that no quarrying has been carried out since the grant of lease and submitted audit report certified by DMG dated 03.07.2024, showing no production from 2022-23 till date. Hence the Proponent justified for not submitting audit report and CCR.

There is an existing cart track road to a length of 890 meters connecting lease area to the all-weather black topped road. The Committee informed that the proposed expansion in quantity should be commenced after asphaltting the approach road to the quarry and the road connecting to the crusher as per IRC standard norms and should grow trees all along the approach road, for which the Proponent agreed.

The Proponent has collected baseline data and informed that all are within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 31,42,444 tons (including waste) and estimated the life of mine to be 7 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 6,31,579 tonn/ Annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road & buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.14 Building Stone Quarry Project at Shivapura Village, Karkala Taluk, Udupi District (3-00 Acres) by Sri Prasanna Shetty – Online Proposal No.SIA/KA/MIN/469996/2024 (SEIAA 95 MIN 2024)**

**About the project:**

| Sl.No | PARTICULARS                                                              | INFORMATION PROVIDED BY PP                                                                                      |                 |
|-------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|
| 1     | Name & Address of the Projects Proponent                                 | Sri Prasanna Shetty                                                                                             |                 |
| 2     | Name & Location of the Project                                           | Building Stone Quarry Project at Sy. No.176/P1 of Shivapura Village, Karkala Taluk, Udupi District (3-00 Acres) |                 |
|       |                                                                          | N 13° 24' 10.9"                                                                                                 | E 74° 58' 05.0" |
|       |                                                                          | N 13° 24' 11.3"                                                                                                 | E 74° 58' 06.9" |
|       |                                                                          | N 13° 24' 07.1"                                                                                                 | E 74° 58' 09.5" |
|       |                                                                          | N 13° 24' 06.2"                                                                                                 | E 74° 58' 06.1" |
| 3     | Type Of Mineral                                                          | Building Stone Quarry                                                                                           |                 |
| 4     | New / Expansion / Modification / Renewal                                 | New                                                                                                             |                 |
| 5     | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other] | Government                                                                                                      |                 |

| 6    | Area in Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3-00 Acres                                                       |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------|-----|------------------------------------------------------------|-----|--------------------------------------------------------------|-----|-------------------------------------------------------------|-----|----------------------------------------------------------------------------------------|-----|-----------------------------------------------|--|
| 7    | Annual Production (Metric Ton / Cum) Per Annum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 52,632 Tones/ Annum (including waste)                            |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 8    | Project Cost (Rs. In Crores)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Rs. 1.28 Crores (Rs. 128 Lakhs)                                  |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 9    | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9,67,265 Tones (including waste)                                 |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 10   | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50,000 Tones / Annum (excluding waste)                           |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 11   | CER Activities:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
|      | <table><tr><th>Year</th><th>Corporate Environmental Responsibility (CER)</th></tr><tr><td>1st</td><td>Providing solar power panels to GHPS at Shivapura village.</td></tr><tr><td>2nd</td><td>Rain water harvesting pits to the GHPS in Shivapura village.</td></tr><tr><td>3rd</td><td>Conducting E-waste drive campaigns in the Shivapura village</td></tr><tr><td>4th</td><td>Scientific support and awareness to local farmers to increase yield of crop and fodder</td></tr><tr><td>5th</td><td>Health camp in the GHPS at Shivapura village.</td></tr></table> | Year                                                             | Corporate Environmental Responsibility (CER) | 1st | Providing solar power panels to GHPS at Shivapura village. | 2nd | Rain water harvesting pits to the GHPS in Shivapura village. | 3rd | Conducting E-waste drive campaigns in the Shivapura village | 4th | Scientific support and awareness to local farmers to increase yield of crop and fodder | 5th | Health camp in the GHPS at Shivapura village. |  |
| Year | Corporate Environmental Responsibility (CER)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 1st  | Providing solar power panels to GHPS at Shivapura village.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 2nd  | Rain water harvesting pits to the GHPS in Shivapura village.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 3rd  | Conducting E-waste drive campaigns in the Shivapura village                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 4th  | Scientific support and awareness to local farmers to increase yield of crop and fodder                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 5th  | Health camp in the GHPS at Shivapura village.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 12   | EMP Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rs. 30.38 lakhs (Capital Cost) & Rs. 7.88 lakhs (Recurring cost) |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 13   | Forest NOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 29.12.2023                                                       |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 14   | Quarry plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 26.03.2024                                                       |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 15   | Cluster certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 02.04.2024                                                       |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 16   | Notification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16.02.2024                                                       |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |
| 17   | Revenue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 02.02.2024                                                       |                                              |     |                                                            |     |                                                              |     |                                                             |     |                                                                                        |     |                                               |  |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the proposed area is government land and locals have mined for bonafide use and no mining has been carried out by Proponent till date and justified that the proposed project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there are another 5 leases in a radius of 500 mtr from the said lease, out of which 3 leases are exempted from cluster as EC was granted prior to 15.01.2016 and the total area of the remaining lease including the applied lease is 9.35 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 400 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphaltting the approach road to the quarry and road connecting the crusher as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data and informed that are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 9,67,265 ton (including waste) and estimated the life of mine to be 19 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 52,632tonn/ Annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.

2. To grow trees all along the approach road& buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.15 Black Granite Quarry Project at Rechamballi Village, Chamarajanagar Taluk & District (3-30 Acres) by Sri Sangameshwara Babu – Online Proposal No.SIA/KA/MIN/483455/2024 (SEIAA 94 MIN 2024)**

**About the project:**

| Sl.No.           | PARTICULARS                                                                                                                                           |                                                                 | INFORMATION PROVIDED BY PROPONENT                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|
| 1                | Name & Address of the Projects Proponent                                                                                                              |                                                                 | Sri Sangameshwara Babu                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 2                | Name & Location of the Project                                                                                                                        |                                                                 | Black Granite Quarry Project at Sy.Nos.56/7A1, 56/7A2, 56/7A3, 56/7A5 & 56/7B1 of Rechamballi Village, Chamarajanagar Taluk & District (3-30 Acres) <table><tr><th>Latitude</th><th>Longitude</th></tr><tr><td>N 11°58'14.5001"</td><td>E 77° 01' 59.9053"</td></tr><tr><td>N 11°58'13.8992"</td><td>E 77° 01' 03.8038"</td></tr><tr><td>N 11°58'10.2011"</td><td>E 77° 01' 03.6042"</td></tr><tr><td>N 11°58'09.6998"</td><td>E 77° 01' 59.6051"</td></tr></table> | Latitude | Longitude | N 11°58'14.5001" | E 77° 01' 59.9053" | N 11°58'13.8992" | E 77° 01' 03.8038" | N 11°58'10.2011" | E 77° 01' 03.6042" | N 11°58'09.6998" | E 77° 01' 59.6051" |
| Latitude         | Longitude                                                                                                                                             |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| N 11°58'14.5001" | E 77° 01' 59.9053"                                                                                                                                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| N 11°58'13.8992" | E 77° 01' 03.8038"                                                                                                                                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| N 11°58'10.2011" | E 77° 01' 03.6042"                                                                                                                                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| N 11°58'09.6998" | E 77° 01' 59.6051"                                                                                                                                    |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 3                | Type Of Mineral                                                                                                                                       |                                                                 | Black Granite Quarry Project                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 4                | New/Expansion/Modification/ Renewa                                                                                                                    |                                                                 | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 5                | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                              |                                                                 | Patta                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 6                | Area in Acres                                                                                                                                         |                                                                 | 3-30 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 7                | Annual Production (Metric Ton / Cum) Per Annum                                                                                                        |                                                                 | 10,020 Cum /annum(including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 8                | Project Cost (Rs. In Crores)                                                                                                                          |                                                                 | Rs. 0.45 Crores (Rs.45 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 9                | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                           |                                                                 | 5,08,700Cum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 10               | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                             |                                                                 | 2,505Cum/annum (recovery)                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 11               | CER Activities: Propose take up 350 No. of additional plantation on either side of the approach road from quarry location to Rechamballi Village Road |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 12               | EMP Budget                                                                                                                                            | Rs. 14.15 lakhs (Capital Cost) & Rs.4.55 lakhs (Recurring cost) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 13               | Quarry plan                                                                                                                                           | 24.01.2024                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 14               | Forest NoC                                                                                                                                            | 28.12.2020                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 15               | Cluster certificate                                                                                                                                   | 25.01.2024                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 16               | Revenue NOC                                                                                                                                           | 12.08.2021                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |
| 17               | Notification                                                                                                                                          | 08.12.2023                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                    |                  |                    |                  |                    |                  |                    |

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that as per google time line images, workings are prior to 2011 and no mining has been carried out by Proponent till date and justified that the proposed project does not attract violation. The Committee noted the clarification and appraised the project.

As per the cluster sketch there are another 3 leases in a radius of 500 mtr from the said lease, out of which 2 leases are exempted from cluster as EC was granted prior to 15.01.2016 and the total area of the remaining lease including the applied lease is 7-19 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 320 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphaltting the approach road to the quarry as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

The Proponent has collected baseline data and informed that are all within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 5,08,700 cum (including waste) and estimated the life of mine to be coterminous with lease period.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 10,020 Cum /annum (including waste), with following consideration,

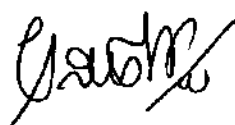
1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road& buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers in the nearby Hospital.
4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.16 Residential Apartment Building Project at Kogilu Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru Urban District by M/s. Krishnaiah Projects Pvt. Ltd. - Online Proposal No.SIA/KA/INFRA2/474717/2024 (SEIAA 48 CON 2024)**

**About the project:**

| Sl. No. | Particulars                             | Information Provided by Proponent                                                                                                      |
|---------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Name & Address of the Project Proponent | M/s. Krishnaiah Projects Pvt. Ltd.<br>No.23, Sankey Square, Sankey Road,<br>Sadashivanagar, Lower Palace Orchards Bangalore<br>-560003 |

|    |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2  | Name & Location of the Project                                                                                          | Residential Apartment at Sy. Nos. 19/5, 19/6, 19/7, 19/8 of Kogilu Village, Yelahanka Hobli, Bangalore North (Yelahanka) Taluk, Bangalore-560064                                                                                                                                                                                                                                                                                                                                                                |
| 3  | Type of Development                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    | a. Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Proposed Residential Apartment project , Category 8 (a)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|    | b. Residential Township/ Area Development Projects                                                                      | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|    | c. Zoning Classification                                                                                                | Residential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 4  | New/ Expansion/ Modification/ Renewal                                                                                   | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5  | Water Bodies/ Nalas in the vicinity of project site                                                                     | Kogilu Lake located at the distance of 1.0Km (NE) from the Project boundary.<br>Palanahalli Lake located at the distance of 1.65Km(N) from the Project boundary.<br>Jakkur Lake located at the distance of 0.7Km (SW) from the Project boundary.<br>Thirumenahalli Lake located at the distance of 1.65Km (SE) from the Project boundary.<br>Agrahara Lake located at the distance of 1.50Km (SE) from the Project boundary.<br>Yelahanka kere located at the distance of 1.75Km (W) from the Project boundary. |
| 6  | Plot Area (Sqm)                                                                                                         | 10623.0 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 7  | Built Up area (Sqm)                                                                                                     | 51627.74 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 8  | FAR<br>• Permissible<br>• Proposed                                                                                      | 3.15<br>3.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 9  | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]            | 2 Towers each having building configuration of 2B+G+16 UF and 2B+G+22 UF with 98 flats and club house.                                                                                                                                                                                                                                                                                                                                                                                                          |
| 10 | Number of units/plots in case of Construction/Residential Township/Area Development Projects                            | 98 flats                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 11 | Height Clearance                                                                                                        | 74.7 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 12 | Project Cost (Rs. In Crores)                                                                                            | Rs. 58,65,90,000.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 13 | Quantity excavated earth & its management                                                                               | Excavated earth of 45158.94 cum<br>The earth excavated generated from the project site will be utilized within the project premises for back filling, gardening road and walk way and construction of compound wall.                                                                                                                                                                                                                                                                                            |
| 14 | Details of Land Use (Sqm)                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    | a. Ground Coverage Area                                                                                                 | 2220.92 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|    | b. Kharab Land                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    | c. Total Green belt on Mother Earth                                                                                     | 4791.79 Sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|    |                                          |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |        |
|----|------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|    | d.                                       | Internal Roads                                                                  | 3610.29 Sqm                                                                                                                                                                                                                                                                                                                                                                              |        |
|    | e.                                       | Paved area                                                                      |                                                                                                                                                                                                                                                                                                                                                                                          |        |
|    | f.                                       | Others Specify                                                                  | -                                                                                                                                                                                                                                                                                                                                                                                        |        |
|    | g.                                       | Parks and Open space in case of Residential Township/ Area Development Projects | -                                                                                                                                                                                                                                                                                                                                                                                        |        |
|    | h.                                       | Total                                                                           | 10623.0 Sqm                                                                                                                                                                                                                                                                                                                                                                              |        |
| 15 | WATER                                    |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |        |
|    | I.                                       | Construction Phase                                                              |                                                                                                                                                                                                                                                                                                                                                                                          |        |
|    | a.                                       | Source of water                                                                 | Treated water tankers                                                                                                                                                                                                                                                                                                                                                                    |        |
|    | b.                                       | Quantity of water for Construction in KLD                                       | 16 KLD                                                                                                                                                                                                                                                                                                                                                                                   |        |
|    | c.                                       | Quantity of water for Domestic Purpose in KLD                                   | 2.7 KLD                                                                                                                                                                                                                                                                                                                                                                                  |        |
|    | d.                                       | Waste water generation in KLD                                                   | 2.16 KLD                                                                                                                                                                                                                                                                                                                                                                                 |        |
|    | e.                                       | Treatment facility proposed and scheme of disposal of treated water             | The total domestic wastewater generated during construction phase will be treated in mobile STP and the treated water will be used for periphery landscaping developing the area.                                                                                                                                                                                                        |        |
|    | II.                                      | Operational Phase                                                               |                                                                                                                                                                                                                                                                                                                                                                                          |        |
|    | a.                                       | Total Requirement of Water in KLD                                               | Net fresh water requirement                                                                                                                                                                                                                                                                                                                                                              | 60 KLD |
|    |                                          |                                                                                 | Recycled water for flushing                                                                                                                                                                                                                                                                                                                                                              | 31 KLD |
|    |                                          |                                                                                 | Total water requirement                                                                                                                                                                                                                                                                                                                                                                  | 91 KLD |
|    | b.                                       | Source of water                                                                 | BWSSB and Rainwater harvesting                                                                                                                                                                                                                                                                                                                                                           |        |
|    | c.                                       | Wastewater generation in KLD                                                    | 73 KLD                                                                                                                                                                                                                                                                                                                                                                                   |        |
|    | d.                                       | STP capacity and Area required                                                  | 80 KLD                                                                                                                                                                                                                                                                                                                                                                                   |        |
|    | e.                                       | Technology employed for Treatment                                               | Sequencing Batch Reactor (SBR)                                                                                                                                                                                                                                                                                                                                                           |        |
|    | f.                                       | Scheme of disposal of excess treated water if any                               | The sewage generated during the operation phase will be treated in Sewage Treatment Plant (STP) of capacity 80KLD. The entire (95%) treated sewage from STP, 31 KLD will be recycled/ reused for toilet flushing, 4 KLD for internal driveway and Pavement maintenance, 9 KLD for Common & floor area maintenance, 3 KLD for car washing and 23 KLD landscaping within the project site. |        |
| 16 | Infrastructure for Rain water harvesting |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |        |
|    | a.                                       | Capacity of sump/tank to store Roof & Hardscape/soft scape run off              | Provided roof rainwater sump capacity is 140 Cum                                                                                                                                                                                                                                                                                                                                         |        |
|    | b.                                       | No's of Ground water recharge pits                                              | 16 Nos. of recharge pits are proposed to harvest paved area runoff of 1.2 m Dia& 1.8 m Depth.<br>22 Nos. of recharge pits are proposed to harvest runoff from landscape of 1.2 m Dia& 1.8 m Depth.                                                                                                                                                                                       |        |
| 17 | Storm water management plan              |                                                                                 | Carrying capacity of internal drain = 1.39 m <sup>3</sup> /sec. So carrying capacity of internal garland drain is adequate i.e., greater than 0.1 m <sup>3</sup> /sec so design is safe                                                                                                                                                                                                  |        |
| 18 | WASTE MANAGEMENT                         |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |        |

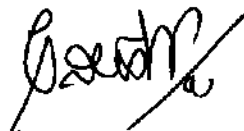
|                              |                                                                                                                    |                                                                                                                                                                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>I. Construction Phase</b> |                                                                                                                    |                                                                                                                                                                                                                                                                                                  |
| a.                           | Quantity of Construction & Demolition waster and its management.                                                   | Demolition Waste:- NA<br>Construction Waste:1291 MT<br>Sand Gravels of 516 MT, Brick with Masonry-452 MT, Concrete- 258 MT has been utilized in the formation of Pavement/ walking path area and Landscape area. The metal and wood scrap of 65 MT utilized for the formation of landscape area. |
| b.                           | Quantity of Solid waste generation and mode of Disposal other than C&D.                                            | 6 Kg/day<br>Handed over to authorized vendors.                                                                                                                                                                                                                                                   |
| <b>II. Operational Phase</b> |                                                                                                                    |                                                                                                                                                                                                                                                                                                  |
| a.                           | Quantity of Biodegradable waste generation and mode of Disposal as per norms<br>(Capacity of OWC & Area required)  | Quantity: 189.8 kg/day<br>Mode of Disposal:Composting by using organic waste Converter (OWC) converted as manure & used for landscaping within the project site<br>Capacity of facility: 250 kg/day<br>Area required: 20 Sqm                                                                     |
| b.                           | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                  | Quantity:124.3 kg/day<br>Mode of Disposal: Hand over to Authorized Recyclers for further process<br>Area required: 8 Sqm                                                                                                                                                                         |
| c.                           | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           | Quantity: 0.1KLPA<br>Mode of Disposal: Disposed as per the Hazardous & other waste (Management & Transboundary) movement rules 2016. Hand over to KSPCB Authorized Hazardous waste Recyclers for further process<br>Area required: 6 Sqm                                                         |
| d.                           | Quantity of E waste generation and mode of Disposal as per norms                                                   | Quantity: 0.05MTPA<br>Mode of Disposal: Hand over to KSPCB Authorized e waste recycler for further process<br>Area required: 5 Sqm                                                                                                                                                               |
| <b>19</b>                    | <b>POWER</b>                                                                                                       |                                                                                                                                                                                                                                                                                                  |
| a.                           | Total Power Requirement - Operational Phase                                                                        | Transformer capacity 720KVA                                                                                                                                                                                                                                                                      |
| b.                           | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 320KVA X 2Nos                                                                                                                                                                                                                                                                                    |
| c.                           | Details of Fuel used for DG Set                                                                                    | HSD                                                                                                                                                                                                                                                                                              |
| d.                           | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | Energy conservation using solar water heater, VFD for pump and STP, VFD for lifts, solar external lighting and LED lights.<br>Percentage of savings : 27%                                                                                                                                        |
| <b>20</b>                    | <b>PARKING</b>                                                                                                     |                                                                                                                                                                                                                                                                                                  |
| a.                           | Parking Requirement as per norms (ECS)                                                                             | 293 ECS                                                                                                                                                                                                                                                                                          |
| b.                           | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | B                                                                                                                                                                                                                                                                                                |

|    |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |
|----|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|    | c.                                              | Internal Road width (RoW)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8 m |
| 21 | CER Activities                                  | <ul style="list-style-type: none"> <li>• Carrying avenue plantation across the service road within the period 18 months</li> <li>• Providing RO facility for safe Drinking water to the Government School Students of Kogilu which is located 0.8 Km(NE) from the project site within 12 months</li> <li>• Providing Sanitation facility to the Government Primary School Kogilu which is located 0.8 Km(NE) from the project site 8 within 18 months</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |
| 22 | EMP (Details and capital cost & recurring cost) | <ul style="list-style-type: none"> <li>• Construction phase: Galvanized iron barricade sheet all-round the site-5.94 lakhs, Purchase of tanker water for Construction-5.12 lakhs, Plantations of saplings around the periphery and maintenance-0.86lakhs, Environmental Monitoring – Air, Water, Noise-4.53 lakhs, EMP Cell-7.20 lakhs, Waste water treatment during construction phase-12 lakhs, Waste Management -3.15 lakhs, <b>Total 38.81 Lakhs</b></li> <li>• Operation phase :<br/>Capital investment<br/>Sewage Treatment Plant – 45Lakhs, Rainwater harvesting facilities-10.50 Lakhs, Landscape development-7.50 Lakhs, Acoustic &amp; Stacks for DG sets-5.75 Lakhs, Organic Waste Converter – 15.25Lakhs, <b>Total 84 Lakhs</b><br/>Recurring cost<br/>STP Maintenance-6 lakhs, Landscape Maintenance- 2.30 lakhs, Organic waste Maintenance-1.25 lakhs, EMP Cell-3 lakhs, Environmental Monitoring-Air, Water, Noise 5 lakhs/ annum, <b>Total 17.55 Lakhs</b></li> </ul> |     |

The proposal was considered in 313<sup>th</sup> SEAC meeting and the Committee had deferred the proposal as the Proponent informed the Committee that the area demarcated as per KML was wrongly marked and uploaded, as the proposed area was adjacent to the area demarcated in KML. In the present meeting the Proponent had submitted revised KML polygon of the proposed area and informed that no construction activities has been started and there is a temporary shed which will be removed and recycled within the site area. The Committee noted the clarification.

The proposal is for construction of a residential apartment project in an area earmarked for residential use as per RMP of Bangalore Development Authority.

The Committee during appraisal sought details regarding road as per zoning map and rain water harvesting provisions proposed in the project. The Proponent informed the Committee that the road in north west as per RMP of BDA is left as it is with no development proposed. For harvesting rain water, Proponent informed that they have proposed storage tank of 140 cum for runoff from rooftop and 16 recharge pits within the site area for runoff from hardscape and landscape areas.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units for conservation of water, to utilize minimum of 50% of roof area for solar power generation, to use sustainable building materials in the proposed project and to harvest excess rainwater in the project site, to which the Proponent agreed.

The Proponent agreed to grow 135 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area.

The Committee after appraisal decided to recommend the proposal to SEIAA for issue of EC with following considerations,

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 140 cum and 16 recharge pits.
5. To grow 85 trees in the early stage before taking up of construction.
6. To provide bellmouth entry and exit in the proposed project.
7. To source external water from KGWA approved water tankers.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.17 Proposed Construction of Residential Apartment Building - "Rohan Tower" Project at R.Sy. Nos.88/5, 88/6, 88/7p and 107/1p of Alape Village, Mangalore Taluk, Dakshina Kannada District by M/s. Global Star Property Pvt. Ltd. - Online Proposal No.SIA/KA/INFRA2/471544/2024 (SEIAA 45 CON 2024)**

The proposal was earlier considered in 313<sup>th</sup> SEAC and the Committee had deferred the proposal the Proponent to submit tree cutting permission copy obtained from Forest Department for removal of trees and present site condition details with GPS photographs and date.

In the present meeting, the Proponent informed that the site had coconut and local fruit trees like mango, sapota, gooseberry, guava etc. and as per the Karnataka Preservation of Trees Act, 1976 those trees do not require prior permission from forest department. Further, the Proponent informed that as there are highrise buildings in northern and southern side, considering the possibility of landslide during heavy rains, retention compound wall has been constructed for protection of land and adjacent buildings and submitted the GPS photographs with date.

The Committee noted the clarification and considering the site condition as per google timeline images informed the Proponent to submit justification so as to why the proposal should to be considered under violation for the works carried out in site prior to EC.

Hence, the Committee after discussion decided to defer the proposal for want of above information.

**Action: Member Secretary, SEAC to putup before SEAC after submission of clarification sought.**

**314.2.18 Proposed mixed development project (Residential, Commercial and MLCP) - "Rohan Heights" Project at Derebail Village, Mangalore Taluk, District Dakshina Kannada District by M/s. Rohan Ranch Pvt. Ltd.- Online Proposal No.SIA/KA/INFRA2/471761/2024 (SEIAA 46 CON 2024)**

**About the project:**

| Sl.No | PARTICULARS                                                                                                             | INFORMATION Provided by PP                                                                                                                                                                                                                             |
|-------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Name & Address of the Project Proponent                                                                                 | Name: Mr. Rohan Monteiro (Director of M/s. Rohan Ranch Pvt. Ltd.)<br>Address:<br>M/s. Rohan Ranch Pvt. Ltd. (GPA Holder)<br>3-T-19/6 (1), Rohan Corporation<br>Near Capitanio, Pumpwell, Kankanady<br>Mangalore TalukDakshin Kannada District - 575002 |
| 2     | Name & Location of the Project                                                                                          | Name:<br>Mixed development project (Residential, Commercial and MLCP) - "Rohan Heights"<br>Location: At R. Sy. No. 114/1A, 114/2B, 114/1C, 71/2, 138/4AP5 of Yeyyadi, Derebail Village, Mangalore Taluk Dakshina Kannada District - 575006             |
| 3     | Type of Development                                                                                                     | New project of Category 8(a) Building and Construction Projects as per EIA Notification, 2006                                                                                                                                                          |
|       | a. Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Mixed.<br>a. Single Tower with Residential, Commercial and MLCP<br>b. 22 No. of Villas.                                                                                                                                                                |
|       | b. Residential Township/ Area Development Projects                                                                      | Not applicable                                                                                                                                                                                                                                         |
|       | c. Zoning Classification                                                                                                | Residential and Commercial Zone                                                                                                                                                                                                                        |
| 4     | New/ Expansion/ Modification/ Renewal                                                                                   | New                                                                                                                                                                                                                                                    |
| 5     | Water Bodies/ Nalas in the vicinity of project site                                                                     | No                                                                                                                                                                                                                                                     |
| 6     | Plot Area (Sqm)                                                                                                         | 21,430.37                                                                                                                                                                                                                                              |
| 7     | Built Up area (Sqm)                                                                                                     | 92,503.0 (Including Built up area of 9646 sq.m of Commercial space)                                                                                                                                                                                    |
| 8     | FAR<br>• Permissible<br>• Proposed                                                                                      | 3.5<br>2.8                                                                                                                                                                                                                                             |

| Sl.No | PARTICULARS                                                                                                    | INFORMATION Provided by PP                                                                                                                                                  |     |
|-------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 9     | Building Configuration<br>[Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | 1. High rise Tower: Basement + Ground Floor with Mezzanine + 1st Floor with Mezzanine + 37 Floors + Terrace<br>2. Villas 22 No.: Ground + 1 Floor + Terrace                 |     |
| 10    | Number of units/plots in case of Construction /Residential Township /Area Development Projects                 | Not applicable                                                                                                                                                              |     |
| 11    | Height Clearance                                                                                               | Permissible: 150m<br>Proposed: 196 m (Applied for Height Clearance NOC to AAI)                                                                                              |     |
| 12    | Project Cost (Rs. In Crores)                                                                                   | Rs. 190 Cr.                                                                                                                                                                 |     |
| 13    | Quantity excavated earth& its management                                                                       | Excavation of soil will be carried out for foundation work. Top soil will be reused at site landscaping and rest of the soil will be used for refilling and site levelling. |     |
| 14    | Details of Land Use (Sqm)                                                                                      |                                                                                                                                                                             |     |
| a.    | Ground Coverage Area                                                                                           | 8,550.72                                                                                                                                                                    |     |
| b.    | Kharab Land                                                                                                    | NA                                                                                                                                                                          |     |
| c.    | Total Green belt on Mother Earth                                                                               | 4,776.92                                                                                                                                                                    |     |
| d.    | Internal Roads                                                                                                 | 7,862.41                                                                                                                                                                    |     |
| e.    | Paved area                                                                                                     |                                                                                                                                                                             |     |
| f.    | Others Specify                                                                                                 | 240.32 – Area left for road widening                                                                                                                                        |     |
| g.    | Parks and Open space in case of Residential Township/ Area Development Projects                                | NA                                                                                                                                                                          |     |
| h.    | Total                                                                                                          | 21,430.37 sq.m                                                                                                                                                              |     |
| 15    | WATER                                                                                                          |                                                                                                                                                                             |     |
| I.    | Construction Phase                                                                                             |                                                                                                                                                                             |     |
| a.    | Source of water                                                                                                | Existing 2 Open wells at the site                                                                                                                                           |     |
| b.    | Quantity of water for Construction in KLD                                                                      | 95                                                                                                                                                                          |     |
| c.    | Quantity of water for Domestic Purposes in KLD                                                                 | 4.5                                                                                                                                                                         |     |
| d.    | Wastewater generation in KLD                                                                                   | 3.6                                                                                                                                                                         |     |
| e.    | Treatment facility proposed and scheme of disposal of treated water                                            | Temporary sanitary facilities for construction labours are provided and disposed off in UGD line of MCC.                                                                    |     |
| II.   | Operational Phase                                                                                              |                                                                                                                                                                             |     |
| a.    | Total Requirement of Water in KLD                                                                              | Fresh                                                                                                                                                                       | 124 |
|       |                                                                                                                | Recycled                                                                                                                                                                    | 166 |
|       |                                                                                                                | Total                                                                                                                                                                       | 290 |
| b.    | Source of water                                                                                                | Mangalore Municipal Corporation (MCC)                                                                                                                                       |     |
| c.    | Wastewater generation in KLD                                                                                   | 171                                                                                                                                                                         |     |
| d.    | STP capacity and area required                                                                                 | Total 205 kld (150 kld + 30 kld + 25 kld)<br>Area required For, 150 kld STP: 182 sq.m<br>30 kld STP: 52 sq.m                                                                |     |

| Sl.No                | PARTICULARS                                                                                                       | INFORMATION Provided by PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |
|----------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
|                      |                                                                                                                   | 25 kld STP: 20 sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |
| e.                   | Technology employed for Treatment                                                                                 | SBR Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |
| f.                   | Scheme of disposal of excess treated water if any                                                                 | Zero Liquid Discharge from Project site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |
| 16                   | Infrastructure for Rain water harvesting                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |
| a.                   | Capacity of sump/tank to store Roof & Hardscape/ soft scape run off                                               | 1 Tank of 400cu.m capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |
| b.                   | No's of Ground water recharge pits                                                                                | 34 RWH Structures (33RWH recharge pits+ 1 Sump of 400 cu.m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |
| 17                   | Storm water management plan                                                                                       | <p>To avoid the loss of soil during monsoon, major construction activities will be avoided during rainy season. Water accumulated on the soil dump will be locally drained in the perimeter drain using small capacity pumps after particulate settlement.</p> <p>All potential contaminants such as lime, paints, whitewashes, shuttering lining, grease, oil, solvents, etc. will be decanted/ handled on the impervious PCC floor of the construction the warehouse. The warehouse will be closed type with no chance of rainwater meeting the material.</p> |                                              |
| 18                   | WASTE MANAGEMENT                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |
| I.                   | Construction Phase                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |
| a.                   | Quantity of Construction &Demolition waste and its management.                                                    | Demolition waste: NIL<br>Construction waste (Approx. 215 cu.m/day) - Shall be segregated and reused within the Project site (Proper facility for storage of construction wastes will be made at Project site).                                                                                                                                                                                                                                                                                                                                                  |                                              |
| b.                   | Quantity of Solid waste generation and mode of Disposal other than C&D.                                           | Domestic Waste (10 kg/day) – Biodegradable waste will be composted and rest shall be sent to MSW site.<br>Plastic waste – to be sold to recyclers.                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |
| II.                  | Operational Phase                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |
| a.                   | Quantity of Biodegradable waste generation and mode of Disposal as per norms<br>(Capacity of OWC & Area required) | Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 480 kg/day                                   |
| Mode of Disposal     |                                                                                                                   | shall be composted in an Organic Waste Convertors (OWCs) depending up on the requirement for horticulture and will be sent to Common MSW Management Facility                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |
| Capacity of facility |                                                                                                                   | 1 x 500 kg/8 hr capacity of OWC<br>1 x 200 kg/8 hr capacity of OWC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |
| Area required        |                                                                                                                   | For, 500 kg of OWC: 16 sq.m<br>For, 200 kg of OWC: 15 sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |
| b.                   | Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms                                  | Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 490 kg/day including Non-biodegradable waste |
| Mode of Disposal     |                                                                                                                   | Recyclable waste shall be sold to recyclers. Non-biodegradable (100 kg/day) will be sent to Common Solid Waste Management Facility.                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |
| Area required        |                                                                                                                   | 20 sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |

| Sl.No | PARTICULARS                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                         | INFORMATION Provided by PP                  |                                                                                                                                                  |                                |
|-------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
|       | c.                                                                                                                 | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                                                                                                                                                                                                                                                                                                                                                                | Quantity                                    | Negligible                                                                                                                                       |                                |
|       |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mode of Disposal                            | Used oil from the DG sumps (occasional) shall be sold to registered waste oil recyclers.                                                         |                                |
|       |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Area required                               | 4 sq.m                                                                                                                                           |                                |
|       | d.                                                                                                                 | Quantity of E waste generation and mode of Disposal as per norms                                                                                                                                                                                                                                                                                                                                                                                        | Quantity                                    | Negligible                                                                                                                                       |                                |
|       |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mode of Disposal                            | E waste will be stored at a designated place and disposed through registered recyclers.                                                          |                                |
|       |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Area required                               | 6 sq.m                                                                                                                                           |                                |
| 19    | POWER                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |                                                                                                                                                  |                                |
| a.    | Total Power Requirement -Operational Phase                                                                         | 4,000 kVA from MESCOM                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |                                                                                                                                                  |                                |
| b.    | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | Total 4 DG sets of 3020 kVA<br>Residential: 1 DG set of 500 kVA<br>Commercial and Parking area (including common areas): 2 DG sets of 1,010 kVA each<br>For Villas: 1 DG set of 500 kVA                                                                                                                                                                                                                                                                 |                                             |                                                                                                                                                  |                                |
| c.    | Details of Fuel used for DG Set                                                                                    | HSD – 604 l/hr                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             |                                                                                                                                                  |                                |
| d.    | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | <ul style="list-style-type: none"><li>Solar panels on the roof tops (Approx. 80 Solar panels generate approx. 160 kW power).</li><li>Sound design of tower for maximum natural ventilation and illumination.</li><li>Design of building shell to reflect most of the solar insulation.</li><li>Lighting controllers like dimmer and occupancy sensors.</li><li>Energy efficient motors and transformers, LEDs</li><li>22.5% of Energy savings</li></ul> |                                             |                                                                                                                                                  |                                |
| 20    | PARKING                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |                                                                                                                                                  |                                |
| a.    | Parking Requirement as per norms (ECS)                                                                             | Required - 519 ECS<br>Provided - 525 ECS + 132 Two Wheelers                                                                                                                                                                                                                                                                                                                                                                                             |                                             |                                                                                                                                                  |                                |
| b.    | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | C                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                             |                                                                                                                                                  |                                |
| c.    | Internal Road width (RoW)                                                                                          | 6 m & 8 m                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |                                                                                                                                                  |                                |
| 21    | CER Activities Proposed                                                                                            | Sr.No.                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Year                                        | CER Activity                                                                                                                                     |                                |
|       |                                                                                                                    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2025 - 2028                                 | To provide infrastructure facilities to Science Gallery, Dr. VS Acharya District Scout and Guide Training Center, Pragathi nagar, Udupi District |                                |
| 22    | EMP ((Details and capital cost & recurring cost))                                                                  | Construction Phase                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                             |                                                                                                                                                  |                                |
|       | • Construction phase                                                                                               | Sr. No.                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EMP Aspect                                  |                                                                                                                                                  | Approx. Cost (Rupees in Lakhs) |
|       |                                                                                                                    | 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Barricades/dust barriers all-round the site |                                                                                                                                                  | 4.5                            |
|       |                                                                                                                    | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Sprinkling of water (non-rainy season)      |                                                                                                                                                  | 2.0                            |

| Sl.No | PARTICULARS       | INFORMATION Provided by PP |                                                                                                                 |                                                          |
|-------|-------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
|       |                   | 3.                         | Labour Management - first aid centre, safety measures, sanitation, amenities (through Construction Contractors) | 6.2                                                      |
|       |                   | 4.                         | Environmental Monitoring - Air, Water, Noise                                                                    | 3.0                                                      |
|       |                   | <b>Total</b>               |                                                                                                                 | <b>15.7</b>                                              |
|       |                   | <b>Operation Phase</b>     |                                                                                                                 |                                                          |
|       | • Operation Phase | <b>Sr. No.</b>             | <b>EMP Aspect</b>                                                                                               | <b>Approx. Budgeted Capital cost (Rupees in Lakhs)</b>   |
|       |                   |                            |                                                                                                                 | <b>Approx. Budgeted Operating Cost (Rupees in Lakhs)</b> |
|       |                   | 1.                         | STP and Grey Water Recycling                                                                                    | 60                                                       |
|       |                   | 2.                         | Greenbelt and other landscape development                                                                       | 7                                                        |
|       |                   | 3.                         | Storm water drain and Rainwater Harvesting System                                                               | 5.2                                                      |
|       |                   | 4.                         | Environmental Monitoring                                                                                        | -                                                        |
|       |                   | 5.                         | EHS Management Cell                                                                                             | -                                                        |
|       |                   | 6.                         | Solid Waste Management                                                                                          | 6.0                                                      |
|       |                   | 7.                         | Energy conservation                                                                                             | 12.0                                                     |
|       |                   | 8.                         | CER Activity                                                                                                    | 77.91                                                    |
|       |                   | <b>Total</b>               |                                                                                                                 | <b>168.11</b>                                            |
|       |                   |                            |                                                                                                                 | <b>82.45</b>                                             |

The proposal was earlier considered in 313<sup>th</sup> SEAC meeting and the Committee had deferred the proposal for want of tree cutting permission copy obtained from Forest Department for removal of trees and clarification from DMG for present site condition.

In the present meeting, the Proponent has informed that there were only four trees at the site when they had purchased the land and as per google images it is evident that no trees were cut except grass/bushes/weed. Further, it was informed that initially they had planned for plotted development for villas which was not attracting EC under EIA Notification, 2006 and accordingly had started site leveling after obtaining permission to cut laterite from DMG vide letter dated 23.04.2024 and due to market demand the plan has been changed for commercial and residential development and had stopped the site leveling activity. The Committee noted the clarification and informed Proponent to submit justification with approved layout plan informing that they had earlier planned for plotted development.

The Committee after discussion decided to defer the proposal for want of clarification.

**Action: Member Secretary, SEAC to put up before SEAC after submission of clarification sought.**




**314.2.19 Proposed Residential Development Project at Sy. Nos.85, 86, 87/1, 87/2, 88, 91, 92 of Bellahalli Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru Urban District by M/s. Bhartiya Urban Private Limited - Online Proposal No.SIA/KA/INFRA2/474284/2024 (SEIAA 245 CON 2023)**

The proposal is for amendment of ToR issued by SEIAA dated 18.11.2023, for the following changes,

| SL No. | Description                    | Details as per the ToR Obtained dt: 18.11.2023                                                                                  | Revised details                                                                                                                 |
|--------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1      | Project Type                   | Proposed Residential Development                                                                                                | Proposed Residential Development                                                                                                |
| 2      | Entity Name                    | M/s. Bhartiya Urban Private Limited                                                                                             | M/s. Bhartiya Urban Private Limited                                                                                             |
| 3      | Project Location               | Sy. Nos. 85, 86, 87/1, 87/2, 88, 91 & 92, Bellahalli Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru Urban District. | Sy. Nos. 85, 86, 87/1, 87/2, 88, 91 & 92, Bellahalli Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru Urban District. |
| 4      | Total Site area                | 48,561.87 Sqmt (12 Acres)                                                                                                       | 48,561.87 Sqmt (12 Acres)                                                                                                       |
| 5      | Kharab Area                    | 505.85 Sqmt                                                                                                                     | 505.85 Sqmt                                                                                                                     |
| 6      | Net Site area for development  | 48,056.02 Sqmt                                                                                                                  | 48,056.02 Sqmt                                                                                                                  |
| 7      | Ground Coverage Area           | 7,686.16 Sqmt (15.99%)                                                                                                          | 14,021.0 Sqmt (29.18%)                                                                                                          |
| 8      | Area left for road widening    | 77.18 Sqmt (0.16%)                                                                                                              | 77.18 Sqmt (0.16%)                                                                                                              |
| 9      | Civic amenities                | 2,402.80 Sqmt (5.00%)                                                                                                           | 2,402.80 Sqmt (5.00%)                                                                                                           |
| 10     | Landscape area                 | 15,863.65 Sqmt (33.01%)                                                                                                         | 15,863.5 Sqmt (33.01%)                                                                                                          |
| 11     | Driveway Ramp                  | 10,752.62 Sqmt (22.38%)                                                                                                         | 9,615.0 Sqmt (20.01%)                                                                                                           |
| 12     | Service area                   | 584.78 Sqmt (1.22%)                                                                                                             | 600.01 Sqmt (1.25%)                                                                                                             |
| 13     | Surface Parking area           | 2,402.80 Sqmt (5.00%)                                                                                                           | 2,229.01 Sqmt (4.64%)                                                                                                           |
| 14     | Open area                      | 8,286.03 Sqmt (17.24%)                                                                                                          | 3,247.37 Sqmt (6.76%)                                                                                                           |
| 15     | Total Built-up Area            | 2,42,601.87 Sqmt                                                                                                                | 2,14,082 Sqmt                                                                                                                   |
| 16     | No. of units                   | 1,396 Nos. & a Clubhouses.                                                                                                      | 1406 Nos. & a Clubhouses                                                                                                        |
| 17     | Configuration                  | Units in 8 Towers - 3B+G+20UF<br>Clubhouse - G+1UF                                                                              | Block-1 & 3 (Wing 1,2,3,4,5&6) - 3B+G+24UF<br>Block-2 (Amenity Block): 3B+G+4UF<br>Block 4,5,6&7: 1B+G+4UF                      |
| 18     | Maximum Height of the building | 73.5 m                                                                                                                          | 79.5 m                                                                                                                          |
| 19     | FAR Achieved                   | 2.98 (1,36,960.92 Sqmt)                                                                                                         | 2.997 (1,36,822.70 Sqmt)                                                                                                        |
| 20     | Achieved Ground coverage area  | 7,686.16 Sqmt (15.99%)                                                                                                          | 14,021.0 Sqmt (29.18 %)                                                                                                         |

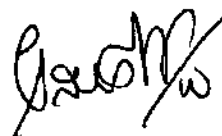
|    |                                 |                                     |                                |
|----|---------------------------------|-------------------------------------|--------------------------------|
| 21 | Total Parking provided          | 1,680 Nos.                          | 1,622 Nos.                     |
| 22 | Water Requirement               | 1,045 KLD                           | 1,104 KLD                      |
| 23 | Waste water Generation          | 836 KLD                             | 883 KLD                        |
| 24 | STP Capacity                    | 460 & 490 KLD                       | 505 KLD X 2 nos.               |
| 25 | Total Solid waste generated     | 4.7 MT/day                          | 2.7 MT/day                     |
| 26 | Total Organic Waste generated   | 1.9 MT/day                          | 1.1 MT/day                     |
| 27 | Total Inorganic Waste generated | 2.8 MT/day                          | 1.6 MT/day                     |
| 28 | Energy Requirement              | 2,500 kVA                           | 2,170 KVA                      |
| 29 | DG                              | 500 kVA X 5 Nos. & 320 kVA X 2 Nos. | 500 kVA X 5 Nos. & 320 kVA X 1 |
| 30 | Transformers                    | 750 kVA X 4 Nos.                    | 630 kVA X 4 Nos.               |
| 31 | Roof Water Collection Sump      | 399 Cum (204 Cum & 195 Cum)         | 841 Cum (281 Cum & 560 Cum)    |
| 32 | No. of recharge pits            | 23 Nos.                             | 32 Nos.                        |
| 33 | Project cost                    | Rs. 399.5 Crores                    | Rs. 360 Crores                 |

The Committee noted the changes and after discussion decided to recommend the proposal to SEIAA for amendment to ToR, with following additional ToR,

1. Proponent to comeup with plan for utilizing excess treated water within the site area
2. Provisions for tertiary treatment of water with 100% recycling of sewage water.
3. To have 100% battery backup instead of DG sets or to incorporate catalytic converter for DG sets.
4. To provide STP with anoxic tank.
5. To verify whether the source of water is from BWSSB for the proposed project.

All other conditions remains same and unchanged for the ToR issued by SEIAA on 18.11.2023.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

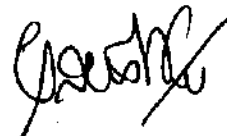



**314.2.20 ToR: Proposed Construction of Residential Development Project at Sy.Nos. 37/17, 37/23, 37/24, 37/26, 37/28, 37/29, 37/30, 37/31 of Akkalenahalli Mallenahalli Village, Kasaba Hobli, Devanahalli Taluk, Bangalore Rural District by M/s. M.S Ramaiah Ventures LLP- Online Proposal No.SIA/KA/INFRA2/483903/2024 (SEIAA 74 CON 2024)**

The proposal is for issuing ToR for the proposed construction of residential development project with BUA of 8,99,259 Sqm in a plot area of 2,51,981.77 Sqm.

The Committee decided to recommend the proposal to SEIAA for issue of standard TOR along with the following additional ToR.

1. NoC from KGWA for the source of water during construction and during operation should be submitted.
2. NoC from BMRCL for the proposed project.
3. Details of noise proofing for the proposed hospital facility.
4. To provide STP for labour colony.
5. Provisions for tertiary treatment of water with 100% recycling of sewage water.
6. Height clearance from Airports authority.
7. Details of drains, water bodies, kharab details and its position on the combined village survey map with reference to project area
8. Detailed conceptual plan and landscape plan, clearly indicating existing buildings / proposed buildings, approach road and details of Kharab areas with buffers as per bylaws.
9. Complete land documents and conversion documents for applied Survey. Nos. and extent
10. Surface hydrological study of surrounding area to be carried out and the carrying capacity of the natural drains to be worked out in order to ascertain the adequacy in the carrying capacity of the drains and with details of strengthening of drains.
11. Details of quantity and kinds of wastes (e-wastes, hazardous wastes and bio-medical wastes) generated and handling the same.
12. Detailed risk and disaster management during and after construction.
13. Quality of nearby lake water and its rejuvenation plan to be detailed.
14. Implementation of Green building concept, provisions for smart metering concept for individual apartments for water consumption details, utilization of the entire terrace for solar power generation and other methods of power savings, provision for electric vehicle charging facility in the proposed project should be detailed
15. Compliance to ECBC guidelines and incorporation of NCB for proposed project should be detailed.
16. Provisions for utilizing 50% of roof area for solar energy.
17. Details regarding processing organic waste in bio-digester and scheme for waste to energy plant to process the entire organic waste generated within the project site and also to process the inorganic waste within the project site
18. Detailed FAR calculations for earlier construction and proposed construction and detailed parking provisions for all kind of vehicles including charging facility for e-vehicles with reference to local zoning authorities should be defined.
19. Detailed Traffic study with respect to proposed expansion and methods of improvising.
20. Ground water potential and level in the study area.
21. Detailed rain water harvesting with respect to annual rainfall and provisions for tanks/sumps/ponds for roof top and along with management of excess storm water.
22. Sampling locations shall be as per standard norms.



23. Activities such as provisions for rejuvenation for water bodies/drains in the vicinity of the project, Public Health Care unit, etc., to be taken up under CSR & CER should be detailed out in physical terms and included as part of EMP.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.2.21 ToR: Extraction of Shahabad Stone Quarry Project at Sy.No.110/\*2 of Miriyan Village, Chincholi Taluk, Kalaburagi District (3-00 Acres) by Sri Kistappa - Online Proposal No.SIA/KA/MIN/479645/2024 (SEIAA 99 MIN 2024)**

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that no mining has been carried out by Proponent till date and hence justified that the proposed project does not attract violation. The Committee noted the clarification.

The Proponent requested the Committee to use the existing baseline data collected of the lease falling in the same cluster for which ToR was issued on 21.10.2023 with file number SEIAA 309 MIN 2023.

The proposal is for building stone quarry in lease area of 3-00 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained Forest NoC on 03.06.2022 and approved mining plan on 11.08.2022.

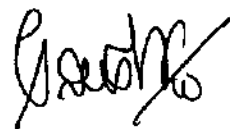
The Committee decided to recommend the proposal to SEIAA for issue of standard ToR along with the following additional ToR to conduct EIA studies along with Public Hearing.

1. Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.
2. Traffic studies.
3. Clarification from DMG regarding present site condition.
4. Dust mitigation methods considering nearby habitation
5. Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
6. Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
7. Site specific CER and afforestation details (compensatory plantation).
8. Waste handling details.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.2.22 ToR: Building Stone Quarry Project at Sy. Nos. 432/4, 432/7 & 432/8 of Ucchangidurga Village, Harapanahalli Taluk, Vijayanagara District (7.23 Acres) by Sri Anjaneya Stone Crusher, Sri Shivanpala Bhimappa- Online Proposal No.SIA/KA/MIN/484528/2024 (SEIAA 98 MIN 2024)**

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that there was a temporary shed and it has already been shifted and no mining has been carried out by Proponent till date and hence justified that the proposed project does not attract violation. The Committee noted the clarification. Further, the Committee sought clarification for drain as per village map, for which Proponent informed that as per Tashildar letter dated 17.08.2023, there is no drain and there is no foot kharab and the one seen in KML is not for public purpose and is used only as approach road to crusher.



The Proponent requested the Committee to use the existing baseline data collected of the lease falling in the same cluster for which ToR was issued on 27.03.2024 with file number SEIAA 18 MIN 2024.

The proposal is for building stone quarry in lease area of 7-23 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained Forest NoC on 26.09.2022 and approved mining plan on 31.10.2023.

The Committee decided to recommend the proposal to SEIAA for issue of standard ToR along with the following additional ToR to conduct EIA studies along with Public Hearing.

1. Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.
2. Traffic studies.
3. Clarification from DMG regarding present site condition.
4. Revenue NoC
5. Dust mitigation methods considering nearby habitation
6. Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
7. Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
8. Site specific CER and afforestation details (compensatory plantation).
9. Waste handling details.
10. Details of drain and its mitigation measures.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.2.23 Extracting of Building Stone Quarry Project at Sy.No.413/B7 of Ucchangidurga Village, Harapanahalli Taluk, Vijayanagara District (4.60 Acres) by Sri Anjaneya Stone Crusher, Sri Shivanpala Bhimappa - Online Proposal No.SIA/KA/MIN/484621/2024 (SEIAA 97 MIN 2024)**

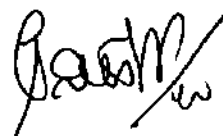
The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that no mining has been carried out by Proponent till date and hence justified that the proposed project does not attract violation. The Committee noted the clarification. Further, the Committee sought clarification for drain as per village map, for which Proponent informed that as per Tashildar letter dated 17.08.2023, there is no drain and foot kharab is not for public purpose used only as approach road to crusher.

The Proponent requested the Committee to use the existing baseline data collected of the lease falling in the same cluster for which ToR was issued on 23.07.2024 with file number SEIAA 18 MIN 2024.

The proposal is for building stone quarry in lease area of 4.60 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained Forest NoC on 14.10.2022 and approved mining plan on 31.10.2023.

The Committee decided to recommend the proposal to SEIAA for issue of standard ToR along with the following additional ToR to conduct EIA studies along with Public Hearing.

1. Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.
2. Traffic studies.
3. Clarification from DMG regarding present site condition.
4. Revenue NoC



5. Dust mitigation methods considering nearby habitation
6. Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
7. Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
8. Site specific CER and afforestation details (compensatory plantation).
9. Waste handling details.
10. Details of drain and its mitigation measures.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.2.24 Extraction of Building Stone Quarry Project at Sy. Nos.130/1, 130/2, 130/3, 131/1, 131/2, 131/3, 131/4, 131/5 of Doddamavathuru Village, Kunigal Taluk, Tumkur District (4-00 Acres) by M/s. SDM Stone Crusher - Online Proposal No.SIA/KA/MIN/484861/2024 (SEIAA 105 MIN 2024)**

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that no mining has been carried out by Proponent till date and only sheet rock is exposed and hence justified that the proposed project does not attract violation.

The proposal is for building stone quarry in lease area of 4.60 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained Forest NoC on 05.09.2023 and approved mining plan on 18.06.2024.

The Committee decided to recommend the proposal to SEIAA for issue of standard ToR along with the following additional ToR to conduct EIA studies along with Public Hearing.

1. Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.
2. Traffic studies.
3. Clarification from DMG regarding present site condition.
4. Dust mitigation methods considering nearby habitation
5. Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
6. Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
7. Site specific CER and afforestation details (compensatory plantation).
8. Waste handling details.
9. Details of drain and its mitigation measures.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.2.25 ToR: Building Stone Quarry Project at Sy. Nos.177/3 & 177/4 of Thirthakunde Village, Khanapura Taluk, Belagavi District (3-00 Acres) (1.21 Ha) by Sri Anant K Savant – Online Proposal No.SIA/KA/MIN/444082/2023 (SEIAA 16 MIN 2024)**

The proposal was earlier considered in 312<sup>th</sup> SEAC meeting and as per the request of the Proponent, the Committee deferred the proposal to grant combined ToR with another two proposals.

In the present meeting, the Proponent informed the Committee that the proposal is for building stone quarry in lease area of 3-00 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained Forest NoC on 29.12.2018 and approved mining plan on 15.10.2020 and notification on 11.08.2020.

The Committee sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that no mining has been carried out by Proponent till date and the proposed project does not attract violation. The Committee noted the clarification.

The Proponent requested the Committee to consider the following proposals 1.SEIAA 62 MIN 2024, 2.SEIAA 430 MIN 2023 & 3.SEIAA 16 MIN 2024 to issue combined ToR as the lease areas are within the same cluster.

The Committee decided to recommend the proposal to SEIAA for issue of standard combined ToR for 1. SEIAA 62 MIN 2024, 2. SEIAA 430 MIN 2023 & 3. SEIAA 16 MIN 2024 along with the following additional ToR to conduct EIA studies along with Public Hearing.

1. Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.
2. Traffic studies.
3. Dust mitigation methods considering nearby habitation
4. Clarification from DMG regarding present site condition.
5. Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
6. Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
7. Site specific CER and afforestation details (compensatory plantation).
8. Waste handling details.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.

**314.2.26 ToR: Building Stone (M-Sand) Quarrying Project at Sy. Nos.72/2, 72/3 of Hulikatti Village, Belagavi Taluk, Belagavi District (8-18 Acres) by M/s. Aaditya Resources - Sri Shegar Raghavan - Online Proposal No.SIA/KA/MIN/476419/2024 (SEIAA 65 MIN 2024)**

The proposal was earlier considered in 313<sup>th</sup> SEAC meeting and the Committee had deferred the project to get clarification from DMG regarding the present site condition.

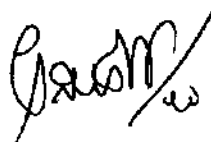
In the present meeting the Proponent submitted clarification from DMG dated 29.06.2024, informing that no illegal mining carried out in the proposed area. The Committee noted the clarification.

The proposal is for building stone quarry in lease area of 8-18 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained Forest NoC on 15.04.2023 and approved mining plan on 19.04.2024.

The Committee decided to recommend the proposal to SEIAA for issue of standard ToR along with the following additional ToR to conduct EIA studies along with Public Hearing.

- 1.Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.
- 2.Traffic studies.
- 3.Clarification from DMG regarding present site condition.
- 4.Dust mitigation methods considering nearby habitation
- 5.Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
- 6.Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
- 7.Site specific CER and afforestation details (compensatory plantation).
- 8.Waste handling details.

**Action:** Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.



**314.2.27 Extraction of Pink Granite Quarry Project at Sy Nos. 2/3B & 2/3A of Hanamanal ST Village, Ilkal Taluk, Bagalkote District (5-01 Acres) by Sri Yamanappa S Hoolageri – Online Proposal No.SIA/KA/MIN/479620/2024 (SEIAA 100 MIN 2024)**

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that as per DMG letter dated 14.06.2024, the working is prior to 27.02.2012 and had paid the fine of 40.25 Lakhs and no mining has been carried out by Proponent till date and hence justified that the proposed project does not attract violation. The Committee noted the clarification.

The Proponent requested the Committee to use the existing baseline data collected of the lease falling in the same cluster for which ToR was issued on 10.02.2022 with file number SEIAA 668 MIN 2021.

The proposal is for building stone quarry in lease area of 5-01 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained approved mining plan on 28.05.2024.

The Committee decided to recommend the proposal to SEIAA for issue of standard ToR along with the following additional ToR to conduct EIA studies along with Public Hearing.

1. Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.
2. Traffic studies.
3. Dust mitigation methods considering nearby habitation
4. Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
5. Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
6. Site specific CER and afforestation details (compensatory plantation).
7. Waste handling details.

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

**314.2.28 ToR: Extraction of quartzite mineral part of Sy. No. 332/1 of Hulikatti Village, Savadatti Taluk Belagavi District (129-28 Acres) by M/s. Jimmy Sales & Research – Online Proposal No.SIA/KA/MIN/472150/2024 (SEIAA 48 MIN 2024)**

The proposal was earlier considered in 313<sup>th</sup> SEAC meeting and the Committee had noted that in the revised topo sheet with boundary markings of proposed area was not approved by DMG and has also informed the Proponent to get clarification from DMG for crusher proposed inside the surface plan and had deferred the proposal.

In the present meeting the Proponent submitted revised topo sheet approved by DMG and also informed the Committee that the crusher area is not considered while notifying the proposed area. The Committee noted the clarification.

The proposal is for quartzite mineral mining in lease area of 129-28 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained approved mining plan on 04.05.2024 and forest noc on 23.08.2023.

The Committee decided to recommend the proposal to SEIAA for issue of standard ToR along with the following additional ToR to conduct EIA studies along with Public Hearing.

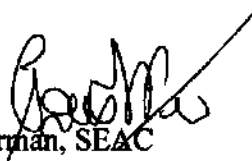
1. Detailed pollution load taking into account of cluster with wind rose diagram and isopleth map and should be submitted in detail.

- 2.To submit wild life conservation plan approved from DCF.
- 3.Clarification for submitting two different toposheet.
- 4.Details of buffer from the crusher area.
- 5.Traffic studies.
- 6.Dust mitigation methods considering nearby habitation
- 7.Detailed study on impact of mining on ground water and methods of rejuvenation of the same.
- 8.Improvements to the approach road as per IRC (Indian Road Congress) standard norms.
- 9.Site specific CER and afforestation details (compensatory plantation).
10. Waste handling details.
11. Mitigative measures considering drain

**Action: Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

Meeting Concluded with vote of thanks to all.

  
Member Secretary, SEAC  
Karnataka

  
Chairman, SEAC  
Karnataka