



सत्यमेव जयते

## State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India, under section 3(3) of E(P) Act, 1986)

Proceedings of the 248<sup>th</sup> SEIAA Meeting to be held on 18<sup>th</sup> November 2023 at 03:30 PM at Room No. 709, 7<sup>th</sup> Floor, Gate IV, M.S Building, Bangalore - 560001.

### Members present: -

- |                                   |                         |
|-----------------------------------|-------------------------|
| 1. Dr. K. R. Sree Harsha -        | Chairman, SEIAA         |
| 2. Shri. K. N. Shivalinge Gowda - | Member, SEIAA           |
| 3. Shri. B. P. Ravi, IFS -        | Member Secretary, SEIAA |

The Member Secretary, SEIAA welcomed the Chairman and member and initiated the discussion. The subjects discussed and the decisions made on each of the agenda points are as follows:

### 248.1. Fresh Projects (Recommended for EC):

#### Construction Projects:

**248.1.1. Commercial Development Project at B K Palya Village, Jala Hobli, Yelahanka Bengaluru North District, KIADB Hi Tech, Defence and Aerospace Park, Bengaluru by M/s. Brigade Estates and Projects Pvt. Ltd. - Online Proposal No.SIA/KA/INFRA2/449468/2023 (SEIAA 121 CON 2020).**

M/s. Brigade Estates and Projects Pvt. Ltd have proposed for construction of Commercial Office, Data Centre, Industrial Sheds, and Food Court Project on a plot area of 1,00,244 Sq.m. The total built up area is 5,80,107.02 Sq.m. The proposed project consists of Block 1 - Data Center- Ground Floor + 7 Upper Floors, Block 2 - IT/ITES Building-1- 3 Basements + Ground Floor + 13 Upper Floors + Terrace Floor, Block 3 - IT/ITES Building-2- 3 Basements + Ground Floor + 13 Upper Floors + Terrace Floor, Block 4 - Manufacturing Industry, Block 5 - Utility Block comprising of chiller plants - Ground Floor + 3 Upper Floors, HSD Yard - Ground Floor + 3 Upper Floors, Sub Station. Total water consumption is 1755 KLD (Fresh water + Recycled water). The total wastewater generated is 1404 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 1500 KLD. The project cost is Rs. 730 Crores.

Details of the project are as follows:

| Sl. No | PARTICULARS                             | INFORMATION PROVIDED BY PP                                                                                                                       |
|--------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent | M/s. Brigade Estates and Projects Pvt. Ltd<br>29 <sup>th</sup> & 30 <sup>th</sup> Floor, World Trade Center,<br>Brigade Gateway Campus, 26/1, Dr |

|   |                                                                                                                         |                                                                                                                                                                                                                                                                                                               |
|---|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |                                                                                                                         | Rajkumar Road, Malleswaram - Rajajinagar, Bengaluru - 560055                                                                                                                                                                                                                                                  |
| 2 | Name & Location of the Project                                                                                          | Brigade Commercial Development at Plot No. 8-P, 9 and 10 (Sy. Nos. Parts of 52, 53, 54, 75, 85, 86, 92 and 7 (Old Sy. No. 7(P) and Block Nos. 26, 27, 35, 36, 37, 38, 39, 42 and 43), B K Palya Village, Jala Hobli, Yelahanka Bengaluru North District, KIADB Hi Tech, Defence and Aerospace Park, Bengaluru |
| 3 | Type of Development                                                                                                     |                                                                                                                                                                                                                                                                                                               |
|   | a. Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Commercial Office, Data Centre, Industrial Sheds, and Food Court<br>Category 8(b) as per EIA Notification 2006                                                                                                                                                                                                |
|   | b. Residential Township/ Area Development Projects                                                                      | -                                                                                                                                                                                                                                                                                                             |
|   | c. Zoning Classification                                                                                                | The land is allotted by Karnataka Industrial Area Development Board (KIADB) for Construction of Commercial development for IT/ITES purposes. The Land use as per the Bengaluru International Airport Area Planning Authority (BIAAPA) is Industrial.                                                          |
| 4 | New/ Expansion/ Modification/ Renewal                                                                                   | New                                                                                                                                                                                                                                                                                                           |
| 5 | Water Bodies/ Nalas in the vicinity of project site                                                                     | There are no Nala or Water Bodies within or in the immediate vicinity of the project site.                                                                                                                                                                                                                    |
| 6 | Plot Area (Sq.m)                                                                                                        | 1,00,244 Sq.m                                                                                                                                                                                                                                                                                                 |
| 7 | Built Up area (Sq.m)                                                                                                    | 5,80,107.02 Sq.m                                                                                                                                                                                                                                                                                              |
| 8 | FAR<br>• Permissible<br>• Proposed                                                                                      | 3.25<br>3.249                                                                                                                                                                                                                                                                                                 |
| 9 | Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]             | Block 1 – Data Center- Ground Floor + 7 Upper Floors<br>Block 2 – IT/ITES Building-1- 3 Basements + Ground Floor + 13 Upper Floors + Terrace Floor<br>Block 3 - IT/ITES Building-2- 3 Basements + Ground Floor + 13 Upper Floors + Terrace Floor<br>Block 4 – Manufacturing Industry – Single                 |







|    |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |
|----|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
|    |                                                                                                 | Level with Building Height of 15m<br>Block 5 - Utility Block comprising of chiller plants— Ground Floor + 3 Upper Floors<br>HSD Yard – Ground Floor + 3 Upper Floors<br>Sub Station                                                                                                                                                                                                                                                    |                                    |
| 10 | Number of units/plots in case of Construction/ Residential Township / Area Development Projects | NA                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |
| 11 | Height Clearance                                                                                | 50m (Max)                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |
| 12 | Project Cost (Rs. In Crores)                                                                    | 730 Crores                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |
| 13 | Disposal of Demolition waste and or Excavated earth                                             | Construction debris of about 21,204Tones will be handled as per Construction and Demolition Waste Management Rules 2016<br>Total 4,08,600cum cum of excavated earth is estimated for the construction of the project.<br>Topsoil Conservation and reuse:70,820cum<br>Excavated soil used for levelling:2,73,165cum<br>Excavated earth used for construction of Internal Roads:34,350cum<br>Backfilling along retaining walls:21,600cum |                                    |
| 14 | Details of Land Use (Sqm)                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |
|    | a.                                                                                              | Ground Coverage Area                                                                                                                                                                                                                                                                                                                                                                                                                   | 60,146.00Sq.m                      |
|    | b.                                                                                              | Kharab Land                                                                                                                                                                                                                                                                                                                                                                                                                            | No Kharab land in the project      |
|    | c.                                                                                              | Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006                                                                                                                                                                                                                                                                                                                                 | 10030.00 Sq.m                      |
|    | d.                                                                                              | Internal Roads                                                                                                                                                                                                                                                                                                                                                                                                                         | 30,068.00Sq.m                      |
|    | e.                                                                                              | Paved area                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |
|    | f.                                                                                              | Others Specify                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |
|    | g.                                                                                              | Parks and Open space in case of Residential Township/ Area Development Projects                                                                                                                                                                                                                                                                                                                                                        | --                                 |
|    | h.                                                                                              | Total                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1,00,244.00 Sq.m                   |
| 15 | WATER                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |
|    | l.                                                                                              | Construction Phase                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |
|    | a.                                                                                              | Source of water                                                                                                                                                                                                                                                                                                                                                                                                                        | Treated water from Labour Camp STP |
|    | 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                                                                                              | 1,095 |
|                       |                                                                                  | Recycled                                                                                           | 660   |
|                       |                                                                                  | Total                                                                                              | 1,755 |
| b.                    | Source of water                                                                  | BWSSB through KIADB, Rooftop Rainwater and Treated Water                                           |       |
| c.                    | Waste water generation in KLD                                                    | 1,404KLD                                                                                           |       |
| d.                    | STP capacity& Area required                                                      | Decentralized STPs of total capacity of 1,500 KLD Area Required is 1,850 Sq.m                      |       |
| 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, etc.                                  |       |
| 16                    | Infrastructure for Rain water harvesting                                         |                                                                                                    |       |
| a.                    | Capacity of sump tank to store Roof run off                                      | 1800cum                                                                                            |       |
|                       | No's of Ground water recharge pits                                               | 50Nos.                                                                                             |       |
| 17                    | Storm water management plan                                                      | Garland drains with 50 Nos. recharge pits                                                          |       |
| 18                    | WASTE MANAGEMENT                                                                 |                                                                                                    |       |
| I. Construction Phase |                                                                                  |                                                                                                    |       |
| a.                    | Quantity of Solid waste generation and mode of Disposal as per norms             | 20kg/day of solid waste shall be disposed through local disposal agencies                          |       |
| II. Operational Phase |                                                                                  |                                                                                                    |       |
| a.                    | Quantity of Biodegradable waste generation and mode of Disposal as per norms     | 1,980kg/day will be composed within the project campus using Organic Waste Converter               |       |
| b.                    | Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms | 2,970kg/day of Non-Biodegradable waste will be segregated and sold to Local Authorized Recyclers   |       |
| c.                    | Quantity of Hazardous Waste generation and mode of Disposal as per norms         | 5000kg/annum will be handed over to KSPCB Authorized Agencies                                      |       |
| d.                    | Quantity of E waste generation and mode of Disposal as per norms                 | 100 kg/annum of E Waste will be collected separately and handed over to KSPCB Authorized Agencies. |       |
| 19                    | POWER                                                                            |                                                                                                    |       |

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|    |                                                                                                              |                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | a.                                                                                                           | Total Power Requirement - Operational Phase                                                                         | 56MVA                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|    | b.                                                                                                           | Numbers of DG set and capacity in KVA for Standby Power Supply                                                      | 2250KVA x 21Nos. + 2000KVA x 3Nos.                                                                                                                                                                                                                                                                                                                                                                                                         |
|    | 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 LICBC 2007 | a. Timer based External Lights<br>b. BBE Star rated electromechanical systems shall be used in the development.<br>c. Solar Water Heating systems for top 2 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>g. Solar Street Light<br>h. Solar PV of 3000KWH capacity<br>i. Energy efficient Air Conditioning Systems<br>Total Savings - 29.77% |
| 20 | <b>PARKING</b>                                                                                               |                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|    | a.                                                                                                           | Parking Requirement as per norms                                                                                    | 2,870 Car Parking + 17 Truck Parking                                                                                                                                                                                                                                                                                                                                                                                                       |
|    | b.                                                                                                           | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                      | Approach Road: B<br>Towards Amazon: C<br>Towards SH-104 (Airport): B<br>Towards SH-104 (Bagaluru): B<br>Towards Devanahalli: B<br>Towards Budigere: B                                                                                                                                                                                                                                                                                      |
|    | c.                                                                                                           | Internal Road width (RoW)                                                                                           | 9m                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 21 | CER Activities                                                                                               |                                                                                                                     | 1. To undertake K G Arishinakunte lake Rejuvenation and beautification<br>2. Free Medical check-up camps will be held<br>3. Infrastructure creation for sanitation systems to control waterborne diseases viz., Malaria, Dengue, Diarrhoea, Dysentery, Cholera, etc.<br>4. Plantation in community areas<br>5. Jobs for local people during construction and operation phase.                                                              |
| 22 | <b>FMP</b> <ul style="list-style-type: none"> <li>• Construction phase</li> <li>• Operation Phase</li> </ul> |                                                                                                                     | During Construction Phase:<br>Capital Investment - 1.23Crores<br>Recurring Cost - 11.25 Lakhs/ Annum                                                                                                                                                                                                                                                                                                                                       |

|  |  |                                                                                                     |
|--|--|-----------------------------------------------------------------------------------------------------|
|  |  | During Operation Phase:<br>Capital Investment – 14.04 Crores<br>Recurring Cost – 64,50 Lakhs/ Annum |
|--|--|-----------------------------------------------------------------------------------------------------|

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for construction of Commercial building project in an area allotted by KIADB. SEIAA had issued ToR on 16.10.2023.

The Committee during appraisal sought details regarding harvesting measures in the proposed area. The Proponent submitted the revised rainwater harvesting provisions and informed the Committee that they had proposed storage tank of 3,650 cum capacity for runoff from rooftop and a pond of capacity 1,400 cum for the runoff from hardscape and landscape areas along with 50 recharge pits within the project area. The Committee also noted that the Proponent has made provision to harvesting 3MW solar power in the proposed project.

Further the Committee suggested 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 1500 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 recharge tank of capacity 3,650 cum and pond of 1,400 cum and 50 recharge pits.
2. To grow trees in the early stage before taking up of construction.
3. Proponent agreed to source external water from KGWA approved water tankers.





4. Proponent agreed to carry out community recharge of bore wells in the vicinity of the site
5. Proponent agreed to construct lead of drains till the natural drains/water body for handling excess water.

The Authority perused the proposal and took note of the recommendation of SEAC. The matter was deliberated and it was felt that peak runoff and slope contribute to the net Harvestable rain water. The Project Proponent in their commitment have proposed Rain Water Harvesting. The Authority noted the same.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) shall be submitted.*
2. *The PP shall submit CER in Specific Physical Terms with time bound action plan.*
3. *The project proponent shall ensure that tree planting/afforestation measures proposed in the EMP shall be strictly complied and an undertaking to this effect shall be submitted.*
4. *The PP shall explore the possibility of installing smart meter for water conservation.*
5. *The PP shall utilize the excavated soil/earth within the project site.*

**Additional Condition:**

1. *Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.*
2. *25% of parking space shall have charging facility to enable charging of electric vehicles.*
3. *The PP shall strictly adhere to the local Planning Authority Bye-Laws.*
4. *The PP shall grow trees during the construction phase itself.*
5. *The PP shall source external water from KGWA approved water sources.*
6. *The PP shall carry out community recharge of bore wells in the vicinity of the site*



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7. The PP shall construct lead of drains till the natural drains/water body for handling excess water.
8. The PP shall grow 1500 numbers of indigenous fruit yielding trees in the early stages of construction. (Example: Mango, Jackfruit, Jamoon, Champaca (Sampige), Terminalia Arjuna (Arjuna), Ficus racemosa (Atti mara), Sandalwood and Rosewood, Ocimum tenuiflorum (Sri Tulasi)).
9. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.
10. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
11. The PP shall submit the Memorandum of Understanding with Authorised/Registered C&D Waste recycler within six months to SEIAA.
12. The Authority will not be responsible for the issues arising during the operational phase from the project surroundings.

**248.1.2 Proposed High Tech (IT/ITES) Building Project at Plot No.12 of Doddanekundi Industrial Area, 2nd Phase, In Sy.No.71, KR Puram Hobli, Bangalore East Taluk, Bangalore Urban District by M/s. Maruthi Electrodes Pvt. Ltd. - Online Proposal No.SLA/KA/INFRA2/450697/2023 (SEIAA 147 CON (VIOL) 2023).**

M/s. Maruthi Electrodes Pvt. Ltd have proposed for construction of High Tech (IT/ITES) Building Project on a plot area of 8080 Sqm. The total built up area is 39,976.30 Sqm. The proposed project consists of 1 Block having 2 Basement + Ground Floor + 9 Upper Floor + Terrace Floor. Total water consumption is 130.0 KLD (Fresh water + Recycled water). The total wastewater generated is 117 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 120 KLD. The project cost is Rs. 40 Crores.

Details of the project are as follows:

| Sl. No | PARTICULARS                             | INFORMATION PROVIDED BY PP                                                                                                          |
|--------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent | Mr.G.J.Raja Reddy<br>Managing Director<br>M/s. Maruthi Electrodes Pvt Ltd<br>#138,5TH Floor, Maruthi Tower,<br>Kodihalli, HAL Road, |







|    |                                                                                                                          |                                                                                                                                                                                                                               |
|----|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                                                                                          | Bangalore-560 008.                                                                                                                                                                                                            |
| 2  | Name & Location of the Project                                                                                           | Proposed High Tech (IT/ITES) Building by M/s. Maruthi Electrodes Pvt. Ltd., at Plot No. 12 at Doddanekundi Industrial Area, 2nd Phase, In Sy No. 71, KK Puram Hobli, Bangalore East Taluk, Bangalore Urban District           |
| 3  | Type of Development                                                                                                      |                                                                                                                                                                                                                               |
|    | a. Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital / other | High Tech (IT/ITES) Building                                                                                                                                                                                                  |
|    | b. Residential Township/ Area Development Projects                                                                       | NA                                                                                                                                                                                                                            |
|    | c. Zoning Classification                                                                                                 | Industrial Land                                                                                                                                                                                                               |
| 4  | New/ Expansion/ Modification/ Renewal                                                                                    | New (violation category under OM No. 22-21/2020.IA.III dated 07.07.2021)                                                                                                                                                      |
| 5  | Water Bodies/ Nalas in the vicinity of project site                                                                      | Seetharamapalya Lake - 0.60 Kms (SE)<br>Yeklgata Lake Park - 0.77 Kms (W).                                                                                                                                                    |
| 6  | Plot Area (Sq.m)                                                                                                         | 8,080 sq.m                                                                                                                                                                                                                    |
| 7  | Built Up area (Sq.m)                                                                                                     | 39,976.30 sq.m.                                                                                                                                                                                                               |
| 8  | FAR<br>• Permissible<br>• Proposed                                                                                       | Net FAR = 23,436.20 Sq.m<br>Achieved FAR: 2.95<br>Permissible FAR : 3.0                                                                                                                                                       |
| 9  | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]             | Construction of High Tech (IT/ITES) Building 1 Block having 2 Basements + Ground Floor + 9 Upper Floors + Terrace Floor. The total site area is 8,080 sq.m. The Net Site Area is 7,930 Sq.m. The Cross BUA is 39,976.30 sq.m. |
| 10 | Number of units/plots in case of Construction/ Residential Township/ Area Development Projects                           | -                                                                                                                                                                                                                             |





| 11                              | Height Clearance                                                                                       | <p>As per 1.2.1 of (Schedule II) process Setups in the applicable topographical plan</p> <p>Clearance of the Specific Technical project<br/>Height of the building: <math>\frac{198.0\text{ m}}{+ 78.0\text{ m}} = 246.2\text{ m}</math></p> <p>Clearance of the Specific Low speed road project<br/>Height of the building: <math>\frac{42.0\text{ m}}{+ 14.0\text{ m}} = 67.0\text{ m}</math></p> <p>Conditions<br/>At least a distance of 300m to be proposed project along along the left and right side of the road for road widening. Height of building to be less than the height of surrounding building.</p> <p>Weight structure obtained 2007 (1000.54)</p>                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
|---------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------|----------------------------|-----------|---------------------------|-----------|-----------------------|----------|---------------------------------|-----------|--------------------------|----------|----------------------------|----------|--------------|------------------|
| 12                              | Project Cost (Rs. In Crores)                                                                           | 40.00 Crores                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| 13                              | Disposal of Demolition waste and or Excavated earth                                                    | <table border="1"> <thead> <tr> <th data-bbox="738 707 1193 779">Details</th> <th data-bbox="1193 707 1441 779">Quantity in m<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td data-bbox="738 779 1193 831">Quantity of excavated soil</td> <td data-bbox="1193 779 1441 831">82,914.30</td> </tr> <tr> <td data-bbox="738 831 1193 882">Back filling for footings</td> <td data-bbox="1193 831 1441 882">41,457.15</td> </tr> <tr> <td data-bbox="738 882 1193 934">Site filling required</td> <td data-bbox="1193 882 1441 934">5,344.70</td> </tr> <tr> <td data-bbox="738 934 1193 1008">Back filling for retaining wall</td> <td data-bbox="1193 934 1441 1008">33,154.62</td> </tr> <tr> <td data-bbox="738 1008 1193 1059">Top soil for Landscaping</td> <td data-bbox="1193 1008 1441 1059">1,593.93</td> </tr> <tr> <td data-bbox="738 1059 1193 1111">Filling for internal roads</td> <td data-bbox="1193 1059 1441 1111">1,363.90</td> </tr> <tr> <td data-bbox="738 1111 1193 1137"><b>Total</b></td> <td data-bbox="1193 1111 1441 1137"><b>82,914.30</b></td> </tr> </tbody> </table> | Details | Quantity in m <sup>3</sup> | Quantity of excavated soil | 82,914.30 | Back filling for footings | 41,457.15 | Site filling required | 5,344.70 | Back filling for retaining wall | 33,154.62 | Top soil for Landscaping | 1,593.93 | Filling for internal roads | 1,363.90 | <b>Total</b> | <b>82,914.30</b> |
| Details                         | Quantity in m <sup>3</sup>                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| Quantity of excavated soil      | 82,914.30                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| Back filling for footings       | 41,457.15                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| Site filling required           | 5,344.70                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| Back filling for retaining wall | 33,154.62                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| Top soil for Landscaping        | 1,593.93                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| Filling for internal roads      | 1,363.90                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| <b>Total</b>                    | <b>82,914.30</b>                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| 14                              | Details of Land Use (Sq.m)                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| a.                              | Ground Coverage Area                                                                                   | 2,585.30 sq.m (32.60 %)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| b.                              | Kharab Land                                                                                            | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| c.                              | Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006 | 2,616.90 sq.m (33.00%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| d.                              | Internal Roads                                                                                         | 2,727.80 Sq.m (34.40 %)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| e.                              | Paved area                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| f.                              | Others Specify                                                                                         | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| g.                              | Parks and Open space in case of Residential Township/ Area Development Projects                        | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |
| h.                              | Total                                                                                                  | 7,930.00 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                            |                            |           |                           |           |                       |          |                                 |           |                          |          |                            |          |              |                  |

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|                                                    |                                                                      |                                                                                                                                                                                         |       |
|----------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 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                                                                                                    |       |
| <b>II. Operational Phase</b>                       |                                                                      |                                                                                                                                                                                         |       |
| a.                                                 | Total Requirement of Water in KLD                                    | Fresh                                                                                                                                                                                   | 54.92 |
|                                                    |                                                                      | Recycled                                                                                                                                                                                | 75.08 |
|                                                    |                                                                      | Total                                                                                                                                                                                   | 130.0 |
| b.                                                 | Source of water                                                      | BWSSB                                                                                                                                                                                   |       |
| c.                                                 | Waste water generation in KLD                                        | 117.0 KLD                                                                                                                                                                               |       |
| d.                                                 | STP capacity & Area required                                         | 120.0 KLD & 210 Sq.m                                                                                                                                                                    |       |
| e.                                                 | OWC Area & Capacity                                                  | 120 Sq.m. & 4 Tons                                                                                                                                                                      |       |
| f.                                                 | Technology employed for Treatment                                    | SBR Technology                                                                                                                                                                          |       |
| g.                                                 | 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 |       |
| <b>16 Infrastructure for Rain water harvesting</b> |                                                                      |                                                                                                                                                                                         |       |
| a.                                                 | Capacity of sump tank to store Roof run off                          | 140 cu.m.                                                                                                                                                                               |       |
|                                                    | No's of Ground water recharge pits                                   | 8 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                                                         |       |
| <b>18 WASTE MANAGEMENT</b>                         |                                                                      |                                                                                                                                                                                         |       |
| <b>I. Construction Phase</b>                       |                                                                      |                                                                                                                                                                                         |       |
| a.                                                 | Quantity of Solid waste generation and mode of Disposal as per norms | No of labours = 100 Nos.<br>Per capita of waste generated = 0.1 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. | Operational Phase                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| a.  | Quantity of Biodegradable waste generation and mode of Disposal as per norms                                       | 163.80 kg/day. Biodegradable waste will be converted in organic convertor.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| b.  | Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms                                   | 109.20 kg/day. Non- Biodegradable waste will be handed over to authorized recyclers                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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  | POWER                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| a.  | Total Power Requirement - Operational Phase                                                                        | 1500 kVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| b.  | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 2 X 1250 kVA + 1 X 600 k VA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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 : 1,00,000 kWh/ Year.....(a)</li> <li>• Solar Power Generation :</li> <li>• In non-monsoon season 350 kWh x 30 x 8 Months = 84,000kWh</li> <li>• In monsoon season 150kWh x 30 x 4 Months = 18,000 kWh</li> <li>• Total SPV Power Generation in a year = 1.02 L kWh / Annum.....(b)</li> <li>• Total Solar Energy utilization (Energy saving using solar PV) in a year = 1.02 L kWh Total energy savings = 23.28%</li> </ul> |
| 20  | PARKING                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| a.  | Parking Requirement as per norms                                                                                   | Car Parking required - 475 No's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| b.                                                                       | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                        | Graphite India Main Road -LOS - B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                 |                                              |                                                                          |                                                                      |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|----------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------|-------------|-----|----------------------------------------------------------------------------|-------------|-----|------------------------------------------------------------------------------|-------------|-----|----------------------------------------------------------------------------------------|-------------|-----|-----------------------------------------------------------|-------------|
| c.                                                                       | Internal Road width (RoW)                                                                             | 8.50 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                 |                                              |                                                                          |                                                                      |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |
| 21                                                                       | CER Activities                                                                                        | <p>CER Action Plan: Under CER we have proposed 5 years for the CER activities (Greenfield project - 1.0% of project cost - &gt;500crores ):</p> <table border="1" data-bbox="742 649 1455 1680"> <thead> <tr> <th data-bbox="742 649 837 784">Year</th> <th data-bbox="845 649 1220 784">Corporate Environmental Responsibility (CER)</th> <th data-bbox="1228 649 1455 784">Budget (Rs.)</th> </tr> </thead> <tbody> <tr> <td data-bbox="742 784 837 963">1st</td> <td data-bbox="845 784 1220 963">Rain Water Harvesting in GHPS at Halasahalli- Thippsasandra Village</td> <td data-bbox="1228 784 1455 963">11,00,000/-</td> </tr> <tr> <td data-bbox="742 963 837 1142">2nd</td> <td data-bbox="845 963 1220 1142">Providing solar power panels to GHPS at Halasahalli- Thippsasandra Village</td> <td data-bbox="1228 963 1455 1142">11,00,000/-</td> </tr> <tr> <td data-bbox="742 1142 837 1321">3rd</td> <td data-bbox="845 1142 1220 1321">Conducting E-waste drive campaigns in the Halasahalli- Thippsasandra Village</td> <td data-bbox="1228 1142 1455 1321">11,00,000/-</td> </tr> <tr> <td data-bbox="742 1321 837 1500">4th</td> <td data-bbox="845 1321 1220 1500">Scientific support and awareness to local farmers to increase yield of crop and fodder</td> <td data-bbox="1228 1321 1455 1500">11,00,000/-</td> </tr> <tr> <td data-bbox="742 1500 837 1680">5th</td> <td data-bbox="845 1500 1220 1680">Health camp in GHPS at Halasahalli- Thippsasandra Village</td> <td data-bbox="1228 1500 1455 1680">11,00,000/-</td> </tr> </tbody> </table> |  | Year            | Corporate Environmental Responsibility (CER) | Budget (Rs.)                                                             | 1st                                                                  | Rain Water Harvesting in GHPS at Halasahalli- Thippsasandra Village | 11,00,000/- | 2nd | Providing solar power panels to GHPS at Halasahalli- Thippsasandra Village | 11,00,000/- | 3rd | Conducting E-waste drive campaigns in the Halasahalli- Thippsasandra Village | 11,00,000/- | 4th | Scientific support and awareness to local farmers to increase yield of crop and fodder | 11,00,000/- | 5th | Health camp in GHPS at Halasahalli- Thippsasandra Village | 11,00,000/- |
| Year                                                                     | Corporate Environmental Responsibility (CER)                                                          | Budget (Rs.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                 |                                              |                                                                          |                                                                      |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |
| 1st                                                                      | Rain Water Harvesting in GHPS at Halasahalli- Thippsasandra Village                                   | 11,00,000/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                                              |                                                                          |                                                                      |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |
| 2nd                                                                      | Providing solar power panels to GHPS at Halasahalli- Thippsasandra Village                            | 11,00,000/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                                              |                                                                          |                                                                      |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |
| 3rd                                                                      | Conducting E-waste drive campaigns in the Halasahalli- Thippsasandra Village                          | 11,00,000/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                                              |                                                                          |                                                                      |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |
| 4th                                                                      | Scientific support and awareness to local farmers to increase yield of crop and fodder                | 11,00,000/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                                              |                                                                          |                                                                      |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |
| 5th                                                                      | Health camp in GHPS at Halasahalli- Thippsasandra Village                                             | 11,00,000/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                                              |                                                                          |                                                                      |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |
| 22                                                                       | EMP <ul style="list-style-type: none"> <li>• Construction phase</li> <li>• Operation Phase</li> </ul> | EMP (Construction & Operation) <table border="1" data-bbox="742 1724 1455 1953"> <thead> <tr> <th data-bbox="742 1724 1069 1769">Operation Phase</th> <th data-bbox="1077 1724 1455 1769">Construction Phase</th> </tr> </thead> <tbody> <tr> <td data-bbox="742 1769 1069 1953">                             Recurring Cost Per Annum = 21.2425 lakhs<br/>                             Capital Cost = 161.563 lakhs                         </td> <td data-bbox="1077 1769 1455 1953">                             Recurring Cost Per Annum = 16.74 lakhs<br/>                             Capital Cost = 41.72 lakhs                         </td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Operation Phase | Construction Phase                           | Recurring Cost Per Annum = 21.2425 lakhs<br>Capital Cost = 161.563 lakhs | Recurring Cost Per Annum = 16.74 lakhs<br>Capital Cost = 41.72 lakhs |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |
| Operation Phase                                                          | Construction Phase                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                 |                                              |                                                                          |                                                                      |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |
| Recurring Cost Per Annum = 21.2425 lakhs<br>Capital Cost = 161.563 lakhs | Recurring Cost Per Annum = 16.74 lakhs<br>Capital Cost = 41.72 lakhs                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                 |                                              |                                                                          |                                                                      |                                                                     |             |     |                                                                            |             |     |                                                                              |             |     |                                                                                        |             |     |                                                           |             |



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The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The Proposal is for grant of EC for an already constructed building. The BUA and configuration permitted in EC issued on 13.06.2018 by SEIAA was for construction of 33,929.80 Sqm in a plot area of 8,080 Sqm with B+G+9 floors against which 39,976.3 Sqm with 2B+G+9UF has been constructed. Hence the Proponent had submitted application under violation, for which SEIAA had issued ToR on 17.10.2023. The Proponent submitted CCR from MoEF&CC dated 26.09.2023, informing about the construction of additional BUA against the EC.

The Proponent informed the Committee that the calculation for the violation is as per the provisions in MoEF&CC OM dated 07.07.2021. The construction of an additional basement and BUA was taken in to account for calculating the ecological damage caused for violating existing Environmental Conditions. The damage assessed using environmental impact data and a remediation plan with appropriate cost and a bank guarantee was appraised by the Committee.

The Proponent informed that the assessed penalty as per the standard operating procedures amounted to Rs.17,82,927 based on 1% levy on project cost. The environmental damage to air, water, and land was monetized, and mitigation measures including afforestation and water management were budgeted at Rs. 27,270. The augmentation plan, with a focus on solar street lighting and rainwater harvesting was estimated at Rs. 3,00,000. Community development efforts were also planned, emphasizing improvement in local infrastructure and skill development, with a dedicated budget of Rs. 7,00,000. The total Bank guarantee towards the remediation plan, natural and community resources augmentation has been assessed as 10 lakhs.

The Proponent submitted the following details.

**Penalty Amount:**

Penalty amount is estimated as given below as per SOP vide OM. No. F. No. 22-21/2020 - I.A.II dated 7<sup>th</sup> July 2021

Where operation/production with expanded capacity has not commenced: 1% of the project cost, attributable to the expansion, incurred up to the date of filing of application along with EIA/EMP report.

Capital Cost of the Project attributable to the expansion (certified by Chartered Architect): Rs. 35,65,85,500

1% of the total project cost = Rs. 35,65,855

As the project Proponent has declared the violation the penalty is halved :  
 $0.5 \times 35,65,855$  : Rs. 17,82,927.5/-

#### Damage Assessment

For assessment of damage to environment the following environmental aspects has been identified

#### Air Environment

The impact of pollutant emission into the air atmosphere is assessed for the construction activity carried out for 3 years. For the assessment, the total construction activity is carried out and corresponding emissions and damage cost is calculated.

The emissions are quantified based on excavation, grading, filling, compaction, cut and fill, site clearing, loading, unloading and transportation etc. The quantity of emissions during violation period are furnished below.

*Emissions from various activities*

| Activities involved in earth work     | Emissions in Kg |                 |             |               |               |
|---------------------------------------|-----------------|-----------------|-------------|---------------|---------------|
|                                       | PM10            | PM2.5           | SOX         | NOX           | CO            |
| Excavation                            | 239.59          | 23.959          | -           | -             | -             |
| Movement of vehicles on unpaved roads | 661.43          | 66.143          | -           | -             | -             |
| Movement of vehicles on paved roads   | 4455.9          | 1093.7          | -           | -             | -             |
| Loading & unloading                   | 55.106          | 8.3446          | -           | -             | -             |
| Machinery & vehicle exhaust emissions | -               | -               | 2.69        | 281.91        | 239.14        |
| <b>Total</b>                          | <b>5412.026</b> | <b>1192.147</b> | <b>2.69</b> | <b>281.91</b> | <b>239.14</b> |

By implementing an Environmental Management Plan, a 50% reduction in dust emissions has been achieved and hence 50% emissions have been considered for damage assessment.

The monetary value (damage cost) of air pollutants emissions due to construction works carried out without EMP.

Basis of Damage cost of Air emissions: Environmental Prices Handbook EU28 version 2018

1. PM10 - Rs. 1663.26 / kg of emissions
2. PM2.5 - Rs. 2424.858 / kg of emissions
3. SO<sub>2</sub> - Rs. 726.582 / kg of emissions
4. NO<sub>X</sub> - Rs. 872.773 / kg of emissions
5. CO - Rs. 3.3527 / kg of emissions

*Damage cost due to earth works carried out without EMP.*

| Pollutant                        | Damage Cost as per EU28 Version 28 (Rs.) |
|----------------------------------|------------------------------------------|
| PM10                             | 45,00,803.2                              |
| PM2.5                            | 14,45,393.1                              |
| SO <sub>X</sub>                  | 977,25279                                |
| NO <sub>X</sub>                  | 1,23,021.83                              |
| CO                               | 400.89214                                |
| Damage cost due to Air pollution | Rs. 60,70,596.3                          |

**Air pollution Control measures**

The building has been constructed implementing the EC conditions with below EMP measures.

**Construction Equipment's**

Transport vehicles and construction equipment's / machinery have been properly maintained to reduce air emission.

Equipment's have been periodically checked for pollutant emissions against stipulated norms.

Sheets have been covered on stockpiles to prevent dust dispersion.

Trucks have been covered with sheets to prevent dust dispersion from the trucks.



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**Use of vehicle**

- Prior to leaving a construction site, every vehicle is washed to remove any dusty materials from its body and wheels.
- Whenever a vehicle leaving a construction site is carrying dusty materials, the load has been covered completely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.
- On-Road- Inspection has been done for black smoke generating machinery.
- Only Vehicles having pollution control certificate have been allowed.
- The speed of a vehicle had been restricted to 20 kmph to reduce emission.
- Locally found gravel has been used in access roads to add a protective layer over the exposed soil and help control dust generation.

**Stockpiles**

No debris or construction waste is found in project site. All the generated Construction waste has been used for back filling of the project during construction stage.

**DG Set**

D.G. Set has been placed in an acoustic enclosure. Location of DG sets and other emission generating equipment is decided keeping in view the predominant wind direction so that the emissions do not affect nearby commercial areas. Stack height of DG set is kept in accordance with CPCB norms. Project Proponent has been using 2 DG sets of 125 KVA as an alternative to power supply in the project and verification of DG stack emissions report dated 04.08.2023 indicated that all the monitored values are within stipulated norms.

*Budget spent on EMP to control Air Pollution.*

| Sl No | Potential Impact | Environmental Protection measure for construction phase    | unit price                                         | Calculation                  | Capital Cost | Recurring cost per year |
|-------|------------------|------------------------------------------------------------|----------------------------------------------------|------------------------------|--------------|-------------------------|
| 1     | Dust & Gaseous   | Barricading the periphery by corrugated sheet of 9m height | 1m length x 9m height for 2,500<br>(perimeter=437) | perimeter 437 x Rs. 2500     | 1092500      | 1,09,250                |
| 2     |                  | Use of wet jute bags                                       | 30 Rs per bag (considering 100)                    | rs. 30 x 100 bags x 250 days | -            | 750000                  |

|              |                                |                                                        |                                                   |                                       |                |                |
|--------------|--------------------------------|--------------------------------------------------------|---------------------------------------------------|---------------------------------------|----------------|----------------|
|              |                                |                                                        | bags per day)                                     |                                       |                |                |
| 3            |                                | Control of Dust by sprinkling of water on roads        | 200m inside the site for construction x 10kl/d/km | Rs. 100 per kl x 250 days x 0.20 kl   | -              | 50,000         |
| 4            |                                | Use of face mask to avoid inhalation of dust particles | 100 labours                                       | 100 labours x Rs 500 per month        | -              | 50,000         |
| 5            |                                | Periodic maintenance of construction equipment         | 1,00,000 per year                                 | 10 equipment's x Rs. 10,000 per year  | -              | 1,00,000       |
| 1            | Occupational Health and Safety | Fire Extinguisher                                      | Rs. 5,000 per extinguisher                        | Rs. 5,000 per extinguisher x 10 piece | -              | 50,000         |
| 2            |                                | Emergency Room                                         | 2,000 sqft room                                   | 2000x500 per sqft                     | 1000000        | -              |
| 3            |                                | Medical Check up                                       | 5000 Rs per labour                                | 5000*100                              |                | 500,000        |
| <b>Total</b> |                                |                                                        |                                                   |                                       | <b>2092500</b> | <b>1400000</b> |

As Proponent had already spent an amount of Rs. 20.92 Lakhs towards capital cost and 14 lakhs per annum as recurring cost for 3 years totaling 62.92 Lakhs for control of air pollution during construction period no additional damage cost would be involved as it has been already incurred for implementation of BMP. The quality of air has been analysed by NABL laboratory which indicates the compliance with the specified standards.

**Noise Environment**

The main source of noise pollution in construction is use of heavy equipment's such as excavators, bulldozers and loaders which produces loud engine and mechanical noises. The construction Equipment Noise Emission Levels is given below,

*Noise Levels at various Equipment's*

| Equipment' s   | Typical Noise Level - dB (A)<br>50 ft from Source |
|----------------|---------------------------------------------------|
| Air Compressor | 81                                                |
| Concrete Mixer | 85                                                |

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|                   |    |
|-------------------|----|
| Concrete Pump     | 82 |
| Concrete Vibrator | 76 |
| Crane, Derrick    | 88 |
| Crane, Mobile     | 83 |
| Generator         | 81 |
| Grader            | 85 |
| Jack Hammer       | 88 |
| Loader            | 85 |
| Pump              | 76 |
| Rail Saw          | 90 |
| Rock Drill        | 98 |
| Roller            | 74 |
| Saw               | 76 |
| Scraper           | 89 |
| Shovel            | 82 |
| Tie Cutter        | 84 |
| Tie Handler       | 80 |
| Tie Inserter      | 85 |
| Truck             | 88 |

Standard sound wave propagation equation has been used to calculate the noise levels at receptor as per the equation given below.

$$\text{Noise (receptors)} = \text{Noise (source)} - 20 \text{ Log} [\text{distance (receptor)} / \text{distance (Source)}]$$

The noise decibel at the site during construction activities is reaching upto 80 dB (A) and noise decibel at nearest residence located approximately 200 m Southwest direction is calculated to be 68 dB (A) in worst case scenario which is not the acceptable range in commercial zone as per noise rules, 2000.

The Project Proponent informed that has provided barricading and green belt cover, in such a manner to attenuate the noise level generated at the site. The quality of Ambient Noise has been analysed by NABL laboratory which indicates the compliance with standards specified.

The operation of construction machinery and equipment had generated high noise levels due to which the health of construction labour may have affected. The following are the personal protective equipments provided to the employees during the construction period.

Helmets had been used by all people working.

Safety shoes were provided to all people working.

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Leather hand gloves had been provided for gas cutting, welding, handling of pipes, handling of sheets, unloading of reinforcement bars from trolley, bending & cutting of bars, Glass handling, tin sheet handling or handling of sharp objects.

Rubber hand gloves had been provided for concreting, handling chemicals, removing water or earth, etc.

Gumboots had been provided for concreting, working in mud and water, chemicals etc.

Safety goggles / face shield had been provided for gas cutting, chipping, chiseling, wood cutting, hacking, grinding, demolition, breaking stone, handling chemical, welding, drilling, painting etc

Safety belt / Lifelines / fall arrestor for had been provided work involving height to prevent fall of person from a height.

Apron / safety clothing had been provided for welding, gas cutting, handling chemicals.

Earmuffs / Ear plug had been provided for Places, equipment, or operation where noise level is high.

**Budget spent on EMP to control Noise Pollution**

| Potential Impact | Environmental Protection measure for construction phase | Unit price                       | Calculation                         | Capital Cost    | Recurring cost per year |
|------------------|---------------------------------------------------------|----------------------------------|-------------------------------------|-----------------|-------------------------|
| Noise            | Use of well-maintained equipment fitted with silencers  | 10,000 for silencer x 10 vehicle | Rs 10,000 for silencer x 10 vehicle | 1,00,000        | 5,000                   |
|                  | Providing earmuffs/ earplug for working staff.          | 100 labors                       | 100 labours x Rs 500 per month      | -               | 50,000                  |
| <b>Total</b>     |                                                         |                                  |                                     | <b>1,00,000</b> | <b>55,000</b>           |

The Proponent informed that since they had already spent an amount of Rs. 1.0 Lakhs towards capital cost and 0.55 lakhs per annum as recurring cost for 3 years is a total of 2.65 Lakhs for control of air pollution during construction period no additional damage cost would be involved as it has already incurred for

implementation of EMP. The quality of Ambient Noise has been analysed by NABL laboratory which indicates the compliance with the standards specified.

**Water Environment**

**Water Consumption**

The total water consumption for construction of buildings was 50 KLD and water has sourced from tankers. The damage cost consumption of water to construct an additional basement, has been considered. The water balance and damage cost for water consumption is given below,

**Water Balance**

| Sl. No. | Purpose                             | Requirement (m <sup>3</sup> /day) |
|---------|-------------------------------------|-----------------------------------|
| 1       | Construction (Peak)                 | 10.2                              |
| 2       | Nonresident laborers (70 @ 30 lpcd) | 2.1                               |
| 3       | Residing laborers (40 @ 70 lpcd)    | 2.8                               |
| 4       | Dust suppression                    | 5.1                               |
| Total   |                                     | 20.2                              |

**Damage Cost for Water Consumption for Constructing Additional Basement.**

|                                                       |            |
|-------------------------------------------------------|------------|
| Water consumption (m <sup>3</sup> /day)               | 20.2       |
| Period of construction of additional basement in days | 90         |
| Water Charges @ Rs. 15 per m <sup>3</sup>             | Rs. 27,270 |

**Surface Water sources**

There is no impact on surface water bodies by constructing additional basement.

**Ground water**

Ground water has not been used for construction. Source of water for construction was private water tanker supply. The water table in the area is below 18 -75 mbgl and excavation is proposed for site levelling only. Hence, there was no de-watering.

**Land Environment**

There was no change in land use for constructing an additional basement. The plot area remains the same.

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**Soil Environment**

Topsoil available at a depth of 1 feet in the project site which has been scooped and segregated separately and it has been stockpiled separately in the site which would be used for plantation purpose. No excavation works or tree cutting, or vegetation removal works was undertaken during rainy season and hence there is no impact due to soil erosion.

**Solid and other waste**

Solid waste generated during earthwork activities typically includes materials that were excavated or removed from the ground during construction, grading, or excavation projects. The excavated material has been used for backfilling, and no other waste had been generated as no labour camps were constructed on the site."

**Biological Environment**

Construction activities generate dust and this dust when get settled on leaves may impact the photosynthesis capacity of the plants. Also, vehicular emission like NO<sub>2</sub>, NO<sub>x</sub> etc. can inhibit the growth of plants and pre-mature leaves senescence. Due to noise generation fauna may get disturbed resulting in their relocation and thus reducing the biodiversity of an area.

There is no Reserved Forest, wildlife sanctuaries and national parks found in the study area. No wildlife movement was observed in the area and there is no suitable habitat.

In the core zone, the surface area is less densified showing xeric nature in plants and no trees found in the project site. No important species (RET) were found in the project site.

Thus, no degradation is accounted under the impact on ecology, biodiversity due to constructing of additional basement.

**Socio economic Environment**

There is no direct adverse impact observed due to violation activity on the socio-economic status of nearby villagers.

**Damage Cost**

The estimated cost of damages resulting from constructing additional basement without prior Environmental Clearance is provided below.

*Table 13.9  
Damage Cost due to different activities*

| S. No.       | Description       | Damage Cost (Rs.) |
|--------------|-------------------|-------------------|
| I.           | Water Environment | 27,270            |
| <b>Total</b> |                   | <b>27,270</b>     |




**Remediation plan**

In the process of constructing an additional basement, no adverse impacts were observed on the surrounding environment or ongoing activities. This successful outcome can be attributed to the meticulous implementation of an Environmental Management Plan, which ensured that all construction activities adhered to environmental regulations and best practices. As a result, there is no requirement for a remediation plan, as the construction was conducted in an environmentally responsible manner, causing no harm or disruption to the site or its surroundings.

**Natural Resource Augmentation Plan**

M/s. Maruthi Electrodes Pvt. Ltd. has agreed to provide a solar streetlight on road outside the project site and in Govt. schools, parks, and library. Conservation of water would be done by converting the existing abandoned wells into recharge structures in nearby villages

*Budget for Natural Resource Augmentation Plan*

| Activity                                                                                                         | Nos | Unit             | Amount<br>in Rs |
|------------------------------------------------------------------------------------------------------------------|-----|------------------|-----------------|
| Provision of solar streetlights on roads outside the project sites and in Government schools, parks, and library | 20  | 10,000 per light | 2,00,000        |
| Conservation of water by converting the existing abandoned wells into recharge structures in nearby villages.    | 10  | 10,000 per Pit   | 1,00,000        |
| <b>Total cost</b>                                                                                                |     |                  | <b>3,00,000</b> |
| <b>Time period</b>                                                                                               |     |                  | <b>2 year</b>   |

**COMMUNITY RESOURCE DEVELOPMENT**

*Budget for Community Resource Development*

| Activity                                                                       | Amount<br>in Rs |
|--------------------------------------------------------------------------------|-----------------|
| Improvement of drinking water infrastructure in government schools and library | 5,00,000        |

|                                                                |          |
|----------------------------------------------------------------|----------|
| Skill Development by organising training courses through ITIs. | 2,00,000 |
| Total cost                                                     | 7,00,000 |
| Time Period                                                    | 2 Year   |

**Bank Guarantee Amount Estimation**

The estimated amount of bank guarantee towards the Remediation Plan, Natural and community resource augmentation is 10 Lakhs. The details of Bank guarantee amount estimation is given below.

**Bank Guarantee Amount Estimation**

| Activity                           | Budget in Lakhs | Time Period for implementation |
|------------------------------------|-----------------|--------------------------------|
| Natural Resource Augmentation Plan | 3.0             | 2 Years                        |
| Community Resource Development     | 7.0             | 2 Years                        |
| <b>Total</b>                       | <b>10.0</b>     | <b>2 Years</b>                 |

The Committee carefully analysed and accepted the calculation and appraised the Project.

The Committee during appraisal sought details regarding harvesting measures in the proposed area. The Proponent informed the Committee they had constructed storage tank of capacity 131cum capacity for runoff from rooftop, hardscape and landscape areas along with 08 number of recharge pits within the project area.

Further the Committee informed to use provided additional rainwater harvesting structures, to which the Proponent agreed.

The Proponent agreed to grow 100 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 additional rain water harvesting structures.
2. To grow trees in the early stage.
3. Proponent agreed to carry out community recharge of bore wells in the vicinity of the site
4. Proponent agreed to construct lead of drains till the natural drains/water body for handling excess water.

The Authority perused the proposal and took note of the recommendation of SEAC. The matter was deliberated and it was felt that peak runoff and slope contribute to the net Harvestable rain water. The Project Proponent in their commitment have proposed Rain Water Harvesting. The Authority noted the same.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. Filing a complaint before Jurisdictional Court of law for the alleged violation under section 19 of the Environment (Protection) Act 1986, (Draft Complaint prepared by Advocate, SEIAA.
  - (a) A Bank guarantee for an amount of Rs. 10 Lakhs with the Karnataka State Pollution Control Board, Bengaluru along with details of remediation plan and Natural and Community Resource Augmentation Plan and the time frame for execution of the same.
  - (b) As per SoP dated:07.07.2021, section 12(b)(ii) 0.5% of the total expansion cost for 35,65,85,500/- i.e Rs. 17,82,927.5. Total Penalty amount shall be paid to Karnataka State Pollution Control Board, Bengaluru.

*The PP shall also submit the following details:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) shall be submitted.*



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2. The PP shall submit CFR in Specific Physical Terms with time bound action plan.
3. The project proponent shall ensure that tree planting/afforestation measures proposed in the EMP shall be strictly complied and an undertaking to this effect shall be submitted.
4. The PP shall explore the possibility of installing smart meter for water conservation.
5. The PP shall utilize the excavated soil/earth within the project site.

**Additional Condition:**

1. Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.
2. 25% of parking space shall have charging facility to enable charging of electric vehicles.
3. The PP shall strictly adhere to the local Planning Authority Bye-Laws.
4. The PP shall grow trees during the construction phase itself.
5. The PP shall source external water from KGWA approved water sources.
6. The PP shall carry out community recharge of bore wells in the vicinity of the site
7. The PP shall construct lead of drains till the natural drains/water body for handling excess water.
8. The PP shall grow 40 numbers of indigenous fruit yielding trees in the early stages of construction. (Example: Mango, Jackfruit, Jamun, Champaca (Sampige), Terminalia Arjuna (Arjuna), Ficus racemosa (Atti mara), Sandalwood and Rosewood, Ocimum tenuiflorum (Sri Tulasi).
9. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.
10. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
11. The PP shall submit the Memorandum Of Understanding with Authorized/Registered C&D Waste recycler within six months to SEIAA.

The Authority also decided to authorize Sri H. K. Vasanth, Advocate and Scientific Officer, Department of Forest, Ecology and Environment for filing the complaint.



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**248.1.3. Residential Development Plan (Apartment/Row House) Building Project at Halasahalli-Thippsasandra Village, Sarjapura Hobli, Anekal Taluk, Bangalore District by M/s. Dishahabitat Projects LLP - Online Proposal No.SIA/KA/INFRA2/449713/2023 (SEIAA 146 CON (VIOL) 2023)**

M/s. Dishahabitat Projects LLP have proposed for construction of Residential Development Plan (Apartment/Row House) Building Project on a plot area of 80936.00 Sqm. The total built up area is 2,75,483.47 Sqm. The proposed project consists of Construction of Residential Development Plan (Apartment/Row House) Building having Apartment Towers A to G, Tower A, B, F & G having 2 Basements + Ground Floor + 26 Upper Floors + Terrace Floor, Tower C having 2 Basements + Ground Floor + 24 Upper Floors + Terrace Floor and Tower D & E having 2 Basements + Ground Floor + 30 Upper Floors + Terrace Floor and having 8 Row houses each row house Ground Floor + 2 Upper Floor + Terrace Floor with total 1382 units. Total water consumption is 963.95 KLD (Fresh water + Recycled water). The total wastewater generated is 915.75 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 920 KLD. The project cost is Rs. 550 Crores

Details of the project are as follows:

| Sl. No | PARTICULARS                                                                                                             | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                   |
|--------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent                                                                                 | Gunaranjan. J.<br>Authorised Signatory<br>M/s. Dishahabitat Projects LLP.,<br>No. 43/2, 2nd floor, Above Axis Bank,<br>Whitefield Main Road, Near Hope Farm Junction,<br>Bangalore-560066                                                    |
| 2      | Name & Location of the Project                                                                                          | Proposed Residential Development Plan (Apartment/Row House) Building by M/s. Dishahabitat Projects LLP., at Sy No. 154, 155, 156, 157, 166/1 & 167/2 of Halasahalli-Thippsasandra Village, SarjapuraHobli, Anekal Taluk, Bangalore District. |
| 3      | Type of Development                                                                                                     |                                                                                                                                                                                                                                              |
|        | a. Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Residential Development Plan (Apartment/Row House) Building                                                                                                                                                                                  |
|        | b. Residential Township/ Area Development Projects                                                                      | NA                                                                                                                                                                                                                                           |
|        | c. Zoning Classification                                                                                                | Land converted to Residential usage                                                                                                                                                                                                          |
| 4      | New/ Expansion/ Modification/ Renewal                                                                                   | New (violation category under OM No. 22-21/2020.IA.iii dated 07.07.2021)                                                                                                                                                                     |

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| 5                               | Water Bodies/ Nalas in the vicinity of project site                                                          | Tank - 0.14 kms (N)<br>Tank - 0.12 km (S)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------|----------------------------|-------------|---------------------------|-------------|-----------------------|-----------|---------------------------------|-----------|--------------------------|-----------|----------------------------|-----------|--------------|--------------------|
| 6                               | Plot Area (Sq.m)                                                                                             | 80,936.00sq.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| 7                               | Built Up area (Sq.m)                                                                                         | 2,75,483.47sq.m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| 8                               | FAR<br>• Permissible<br>• Proposed                                                                           | Net FAR = 1,72,978.65Sq.m<br>Achieved FAR: 2.249<br>Permissible FAR : 2.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| 9                               | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | Construction of Residential Development Plan (Apartment/Row House) Building having Apartment Towers A to G, Tower A, B, F & G having 2 Basements + Ground Floor + 26 Upper Floors + Terrace Floor, Tower C having 2 Basements + Ground Floor + 24 Upper Floors + Terrace Floor and Tower D & E having 2 Basements + Ground Floor + 30 Upper Floors + Terrace Floor and having 8 Row houses each row house Ground Floor + 2 Upper Floor + Terrace Floor with total 1382 units                                                                                                                           |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| 10                              | Number of units/plots in case of Construction/ Residential Township/ Area Development Projects               | 1382 Units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| 11                              | Height Clearance                                                                                             | <p>As per U.P.M of Bangalore and Project site being in Bangalore city development area</p> <p>Maximum height of the proposed building - 101.10 m<br/>Height of the building - 101.10 m</p> <p>Maximum height of the building - 101.10 m<br/>Height of the building - 101.10 m</p> <p>Conclusion<br/>In the case of height of 101.10 m, the proposed building height is within the permissible height of 100 m. Which is within the U.P.M height.</p>                                                                                                                                                   |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| 12                              | Project Cost (Rs. In Crores)                                                                                 | 550 Crores                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| 13                              | Disposal of Demolition waste and or Excavated earth                                                          | <table border="1"> <thead> <tr> <th>Details</th> <th>Quantity in m<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td>Quantity of excavated soil</td> <td>2,65,711.11</td> </tr> <tr> <td>Back filling for footings</td> <td>1,32,855.56</td> </tr> <tr> <td>Site filling required</td> <td>56,435.66</td> </tr> <tr> <td>Back filling for retaining wall</td> <td>45,435.42</td> </tr> <tr> <td>Top soil for Landscaping</td> <td>15,447.12</td> </tr> <tr> <td>Filling for internal roads</td> <td>15,537.36</td> </tr> <tr> <td><b>Total</b></td> <td><b>2,65,711.11</b></td> </tr> </tbody> </table> | Details | Quantity in m <sup>3</sup> | Quantity of excavated soil | 2,65,711.11 | Back filling for footings | 1,32,855.56 | Site filling required | 56,435.66 | Back filling for retaining wall | 45,435.42 | Top soil for Landscaping | 15,447.12 | Filling for internal roads | 15,537.36 | <b>Total</b> | <b>2,65,711.11</b> |
| Details                         | Quantity in m <sup>3</sup>                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| Quantity of excavated soil      | 2,65,711.11                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| Back filling for footings       | 1,32,855.56                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| Site filling required           | 56,435.66                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| Back filling for retaining wall | 45,435.42                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| Top soil for Landscaping        | 15,447.12                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| Filling for internal roads      | 15,537.36                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |
| <b>Total</b>                    | <b>2,65,711.11</b>                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                            |                            |             |                           |             |                       |           |                                 |           |                          |           |                            |           |              |                    |

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|          |                                                                                                        |                                                                                                                                                                                         |       |       |          |        |       |        |
|----------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|----------|--------|-------|--------|
| 14       | Details of Land Use (Sq.m)                                                                             |                                                                                                                                                                                         |       |       |          |        |       |        |
| a.       | Ground Coverage Area                                                                                   | 20,415.66sq.m (26.57 %)                                                                                                                                                                 |       |       |          |        |       |        |
| b.       | Kharab Land                                                                                            | –                                                                                                                                                                                       |       |       |          |        |       |        |
| c.       | Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006 | 25,360.94sq.m (33.00%)                                                                                                                                                                  |       |       |          |        |       |        |
| d.       | Internal Roads                                                                                         | 31,074.72Sq.m (40.43%)                                                                                                                                                                  |       |       |          |        |       |        |
| e.       | Paved area                                                                                             |                                                                                                                                                                                         |       |       |          |        |       |        |
| f.       | Others Specify                                                                                         | --                                                                                                                                                                                      |       |       |          |        |       |        |
| g.       | Parks and Open space in case of Residential Township/ Area Development Projects                        | NA                                                                                                                                                                                      |       |       |          |        |       |        |
| h.       | Total                                                                                                  | 76,851.32sq.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                                                                      | <table border="1"> <tr> <td>Fresh</td> <td>653.0</td> </tr> <tr> <td>Recycled</td> <td>310.95</td> </tr> <tr> <td>Total</td> <td>963.95</td> </tr> </table>                             | Fresh | 653.0 | Recycled | 310.95 | Total | 963.95 |
| Fresh    | 653.0                                                                                                  |                                                                                                                                                                                         |       |       |          |        |       |        |
| Recycled | 310.95                                                                                                 |                                                                                                                                                                                         |       |       |          |        |       |        |
| Total    | 963.95                                                                                                 |                                                                                                                                                                                         |       |       |          |        |       |        |
| b.       | Source of water                                                                                        | Gram Panchayath                                                                                                                                                                         |       |       |          |        |       |        |
| c.       | Waste water generation in KLD                                                                          | 915.75 KLD                                                                                                                                                                              |       |       |          |        |       |        |
| d.       | STP capacity & Area required                                                                           | 920 KLD & 662Sq.m                                                                                                                                                                       |       |       |          |        |       |        |
| e.       | OWC Area & Capacity                                                                                    | 57Sq.m. & 6 Tons                                                                                                                                                                        |       |       |          |        |       |        |
| f.       | Technology employed for Treatment                                                                      | SBR Technology                                                                                                                                                                          |       |       |          |        |       |        |
| g.       | 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 run off                                                            | 1,102cu.m.                                                                                                                                                                              |       |       |          |        |       |        |

|    |                  |                                                                                                                    |                                                                                                                                                                                                                                                                                                      |
|----|------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | b.               | No's of Ground water recharge pits                                                                                 | 76 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 | WASTE MANAGEMENT |                                                                                                                    |                                                                                                                                                                                                                                                                                                      |
|    | I.               | Construction Phase                                                                                                 |                                                                                                                                                                                                                                                                                                      |
|    | a.               | Quantity of Solid waste generation and mode of Disposal as per norms                                               | 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.              | Operational Phase                                                                                                  |                                                                                                                                                                                                                                                                                                      |
|    | a.               | Quantity of Biodegradable waste generation and mode of Disposal as per norms                                       | 1658.40 kg/day. Biodegradable waste will be converted in organic convertor.                                                                                                                                                                                                                          |
|    | b.               | Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms                                   | 1105.60 kg/day. Non- Biodegradable waste will be handed over to authorized recyclers                                                                                                                                                                                                                 |
|    | 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 | POWER            |                                                                                                                    |                                                                                                                                                                                                                                                                                                      |
|    | a.               | Total Power Requirement - Operational Phase                                                                        | 6250 kVA                                                                                                                                                                                                                                                                                             |
|    | b.               | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 3 Nos. x 1500 KVA + 1 Nos. x 1000 KVA + 1 Nos. x 750 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 RCRC 2007 | <ul style="list-style-type: none"> <li>• Energy saved by using Solar water Heater : 1,10,000 kWh/ Year.....(a)</li> <li>• Solar Power Generation :</li> <li>• In non-monsoon season 900kWh x 30 x 8 Months = 2,16,000kWh</li> <li>• In monsoon season 700kWh x 30 x 4 Months = 84,000 kWh</li> </ul> |

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|                 |                                                                                                       | <ul style="list-style-type: none"> <li>• Total SPV Power Generation in a year = 3.00 L kWh / Annum .....(b)</li> <li>• Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 1.10+ 3.00 L kWh = 4.10 L / Annum .....(c)</li> <li>• Total energy savings = 22.46%</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
|-----------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------|--------------|-----|--------------------------------------------------------------------|-------------|-----|---------------------------------------------------------------------------|-------------|-----|-----------------------------------------------------------------------------|-------------|-----|----------------------------------------------------------------------------------------|-------------|-----|----------------------------------------------------------|-------------|
| 20              | <b>PARKING</b>                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
|                 | a. Parking Requirement as per norms                                                                   | Car Parking required 2051 No' s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
|                 | b. Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                     | Katariguppe to Gunjur Main Road - LOS - B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
|                 | c. Internal Road width (RoW)                                                                          | 6.00 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
| 21              | CER Activities                                                                                        | <p>CER Action Plan: Under CER we have proposed 5 years for the CER activities (Greenfield project - 1.0% of project cost - &gt;100crores):</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Corporate Environmental Responsibility (CER)</th> <th>Budget (Rs.)</th> </tr> </thead> <tbody> <tr> <td>1st</td> <td>Rain Water Harvesting in GHPS at Halasahalli-Thippsasandra Village</td> <td>11,00,000/-</td> </tr> <tr> <td>2nd</td> <td>Providing solar power panels to GHPS at Halasahalli-Thippsasandra Village</td> <td>11,00,000/-</td> </tr> <tr> <td>3rd</td> <td>Conducting E-waste drive campaigns in the Halasahalli-Thippsasandra Village</td> <td>11,00,000/-</td> </tr> <tr> <td>4th</td> <td>Scientific support and awareness to local farmers to increase yield of crop and fodder</td> <td>11,00,000/-</td> </tr> <tr> <td>5th</td> <td>Health camp in GHPS at Halasahalli-Thippsasandra Village</td> <td>11,00,000/-</td> </tr> </tbody> </table> | Year            | Corporate Environmental Responsibility (CER) | Budget (Rs.) | 1st | Rain Water Harvesting in GHPS at Halasahalli-Thippsasandra Village | 11,00,000/- | 2nd | Providing solar power panels to GHPS at Halasahalli-Thippsasandra Village | 11,00,000/- | 3rd | Conducting E-waste drive campaigns in the Halasahalli-Thippsasandra Village | 11,00,000/- | 4th | Scientific support and awareness to local farmers to increase yield of crop and fodder | 11,00,000/- | 5th | Health camp in GHPS at Halasahalli-Thippsasandra Village | 11,00,000/- |
| Year            | Corporate Environmental Responsibility (CER)                                                          | Budget (Rs.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
| 1st             | Rain Water Harvesting in GHPS at Halasahalli-Thippsasandra Village                                    | 11,00,000/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
| 2nd             | Providing solar power panels to GHPS at Halasahalli-Thippsasandra Village                             | 11,00,000/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
| 3rd             | Conducting E-waste drive campaigns in the Halasahalli-Thippsasandra Village                           | 11,00,000/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
| 4th             | Scientific support and awareness to local farmers to increase yield of crop and fodder                | 11,00,000/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
| 5th             | Health camp in GHPS at Halasahalli-Thippsasandra Village                                              | 11,00,000/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
| 22              | EMP <ul style="list-style-type: none"> <li>• Construction phase</li> <li>• Operation Phase</li> </ul> | <p>EMP (Construction &amp; Operation)</p> <table border="1"> <tr> <td>Operation Phase</td> <td>Construction Phase</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Operation Phase | Construction Phase                           |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |
| Operation Phase | Construction Phase                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                                              |              |     |                                                                    |             |     |                                                                           |             |     |                                                                             |             |     |                                                                                        |             |     |                                                          |             |

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|  |  |                                                                       |                                                                      |
|--|--|-----------------------------------------------------------------------|----------------------------------------------------------------------|
|  |  | Recurring Cost Per Annum = 56.525 lakhs<br>Capital Cost = 723.11lakhs | Recurring Cost Per Annum = 18.97 lakhs<br>Capital Cost = 70.97 lakhs |
|--|--|-----------------------------------------------------------------------|----------------------------------------------------------------------|

The subject was discussed in the SRAC meeting, held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

**Remarks:**

The Proposal is for grant of EC for the already commenced activity of earth work excavation without EC for BUA of 2,75,483.47sqm in plot area of 80,9365sqm. Hence the Proponent had submitted application under violation, for which SEIAA had issued ToR on 17.10.2023. The Proponent informed that they have stopped the Construction activity at present.

The Proponent informed the Committee that the violation has been calculation as per the provisions in MoEF&CC OM dated 07.07,2021. The construction has been carriedout and needs to be rectified for the ecological damage caused for violating Environmental Conditions. The damage assessed using environmental impact data and a remediation plan with appropriate cost and a bank guarantee was appraised by the Committee.

The Proponent informed the Committee that the assessed penalty for unauthorized excavation of 2,65,711 cum needed to be rectified for the ecological damage caused by operations without an Environmental Clearance (EC) as mandated by the EIA notification 2006. The Committee assessed the damage using environmental impact data and proposed a remediation plan with appropriate costs and a bank guarantee. The penalty has been proposed as per the standard operating procedures, amounted to Rs. 93,760 based on a 1% levy on project costs. The damage to air, water, and land environments was monetized, and mitigation measures, including afforestation and water management, were budgeted at Rs. 18,53,316. The augmentation plan, with a focus on solar street lighting and rainwater harvesting, was estimated at Rs. 1,50,000. Community development efforts has been planned, emphasizing improvement for local infrastructure and skill development, with a dedicated budget of Rs. 3,00,000. The total Bank guarantee towards the remediation plan, Natural and community resources augmentation to be 4.5 lakhs.

The Proponent submitted the following details,



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**Penalty amount**

Penalty amount is estimated as given below as per SOP vide OM. No. F. No. 22-21/2020 - I A.III dated 7th July 2021

Where operation has not commenced: 1% of the total project cost incurred upto date of filing of application along with EIA/EMI report.

Capital Cost of the Project incurred for partial earthwork (certified by Chartered Architect): Rs. 1,87,52,032

1% of the total project cost = Rs. 1,87,520

As the project Proponent has declared the violation the penalty is halved. Hence the penalty is halved :  $0.5 \times 1,87,520 = \text{Rs. } 93,760$

**Damage Assessment**

For assessment of damage to environment the following environmental aspects has been identified

**Air Environment**

The impact of pollutant emission into the air atmosphere has been assessed for the earth work carried out in 15 days. For the assessment, the total excavation has been carried out and corresponding emissions and damage cost is calculated.

The emissions are quantified based on excavation, grading, filling, compaction, cut and fill, site clearing, loading, unloading and transportation involved. The activity wise emissions during violation period are furnished below.

**Emissions from various activities**

| Activities involved in earth work         | Emissions in Kg |          |         |         |         |
|-------------------------------------------|-----------------|----------|---------|---------|---------|
|                                           | PM10            | PM2.5    | SOX     | NOX     | CO      |
| Bulldozing                                | 265.7111        | 26.57111 | -       | -       | -       |
| Scrapers Removing topsoil                 | 770.5622        | 77.05622 | -       | -       | -       |
| Scrapers unloading topsoil                | 531.4222        | 53.14222 | -       | -       | -       |
| Loading of excavated material into trucks | 31.032          | 4.68     | -       | -       | -       |
| Trucks dumping of fill material           | 31.032          | 4.68     | -       | -       | -       |
| Back hoe                                  | 0.01665         | 0.001665 | 0.03285 | 0.3636  | 0.24795 |
| Crane                                     | 0.05625         | 0.005625 | 0.07515 | 0.86355 | 0.33795 |
| Dozer                                     | 0.02745         | 0.002745 | 0.05445 | 0.6282  | 0.3006  |
| Front end loader                          | 0.0306          | 0.00306  | 0.06165 | 0.7074  | 0.3384  |
| Roller                                    | 0.02565         | 0.002565 | 0.0513  | 0.51255 | 0.1791  |
| Scraper                                   | 0.1188          | 0.01188  | 0.1584  | 1.50525 | 0.87165 |
| Total                                     | 1630.035        | 166.1571 | 0.4338  | 4.58055 | 2.27565 |

By implementing an Environmental Management Plan, a 50% reduction in dust emissions has been achieved hence 50% emissions are considered for damage assessment.

The monetary value (damage cost) of air pollutants emissions due to earth works carried out without EMP is given below as based on the basis of Damage cost of Air emissions: Environmental Prices Handbook EU28 version 2018

1. PM10 - Rs. 1663.26 / kg of emissions
2. PM2.5 - Rs. 2424,858 / kg of emissions
3. SO2 - Rs. 726,582 / kg of emissions
4. NOX - Rs. 872,773 / kg of emissions
5. CO - Rs. 3,3527 / kg of emissions

**Damage cost due to earth works carried out without EMP**

| Pollutant                        | Damage Cost as per EU28 Version 28 (Rs.) |
|----------------------------------|------------------------------------------|
| PM10                             | 1382840.6                                |
| PM2.5                            | 205427.13                                |
| SOX                              | 18911.476                                |
| NOX                              | 239867.04                                |
| CO                               | 457.7855                                 |
| Damage cost due to Air pollution | Rs. 18,47,504.1                          |

**Noise Environment**

The main source of noise pollution in earth work is due to use of heavy equipment's such as excavators, bulldozers and loaders which produces loud engine and mechanical noises. The construction Equipment Noise Emission Levels is given below,

**Noise Levels at various Equipment's**

| Equipment's      | Typical Noise Level - dB (A)<br>50 ft from Source |
|------------------|---------------------------------------------------|
| Back hoe         | 85                                                |
| Crane            | 88                                                |
| Dozer            | 85                                                |
| Front end loader | 74                                                |
| Roller           | 89                                                |
| Scraper          | 82                                                |

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|           |    |
|-----------|----|
| Generator | 81 |
| Jack      | 80 |
| Hammer    |    |

Standard sound wave propagation equation has been used to calculate the noise levels at receptor as per the equation given below,

$$\text{Noise (receptors)} = \text{Noise (source)} - 20 \text{ Log} [\text{distance}(\text{receptor}) / \text{distance}(\text{Source})]$$

The noise decibel at the site during construction activities reaching upto 80 dB (A) and noise decibel at nearest residence located approximately 200 m Southwest direction calculated to be 68 dB (A) in worst case scenario which is not the acceptable range in commercial zone as per noise rules, 2000. But after providing the barricading and the green belt cover, in such a manner to attenuate the noise level generated at the site.

The operation of construction machinery and equipment will generate high noise levels due to which it may affect the health of construction labour. The damage cost due to noise pollution on workers working in construction site is given below.

*Damage cost due to noise pollution*

|                                                 |          |
|-------------------------------------------------|----------|
| No. of Employees                                | 20       |
| workers exposed to equivalent noise level dB(A) | 85       |
| Damage cost as per EU28 Version 28 in Rs.       | 5612.153 |

Basis of Damage cost of Noise nuisance: Environmental Prices Handbook EU28 version 2018

>80 dB(A) = Rs. 6828.12 per dB(A) per person per year.

**Water Environment**

**Water Consumption**

No construction activity has started; only earthwork has been carried out, and no water has been consumed in the construction activity. There are only 20 employees working on the site. The water consumption for domestic purposes has been 13.5 KL, and the associated damage cost for water consumption is Rs. 200.

**Surface Water sources**

There are no perennial or non perennial streams passing through the project site. The Halasahalli Lake, Gunjur Lake and Ramanayakanahalli Lake located at 0.61 km, 0.91 km and 0.96 km respectively. The water bodies located at higher elevation compared to project site and No excavation works are carried during monsoon. The water samples are collected during pre monsoon season 2023, the results are within the limits. There has been no impact on water bodies.

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#### **Ground water**

Ground water has not been used for construction. Source of water for construction was private water tanker supply. The water table in the area is below 18 -75 m(bgl) and excavation was proposed for site levelling only. Hence, there was no de-watering.

#### **Environment**

As this is a new project Dishahabitat Projects LLP. the land use\Land cover change from agricultural land to commercial land. There are some shrubs and no trees present on the site. No major impact observed on land use of the project site. Project site is flat land having slope from Northwest to South-East. Elevation of the site varies from 894 m to 898 m amsl. No basements shall be constructed, and excavation has been carried only for construction of buildings.

#### **Soil Environment**

Topsoil available at a depth of 1 feet in the project site which has been scooped and segregated separately and it is stockpiled separately in the site which will be used for plantation purpose. No excavation works or tree cutting, or vegetation removal works was undertaken during rainy season. No Impact due to soil erosion.

#### **Solid and other waste**

Solid waste generated during earthwork activities typically includes materials that are excavated or removed from the ground during construction, grading, or excavation projects. The excavated material is used for backfilling, and no other waste is generated as no labour camps are constructed on the site "

#### **Biological Environment**

Construction activities generate dust and this dust when get settled on leaves may impact the photosynthesis capacity of the plants. Also, vehicular emission like NO<sub>2</sub>, NO<sub>x</sub> etc. can inhibit the growth of plants and pre-mature leaves senescence. Due to noise generation fauna may get disturb resulting in their relocation and thus reducing the biodiversity of an area.

There is no Reserved Forest, wildlife sanctuaries and national parks found in the study area. No wildlife movement was observed in the area and there is no suitable habitat.

In the core zone, the surface area is less densified showing xeric nature in plants and no trees found in the project site. No important species (RET) were found in the project site.

Thus no degradation is accounted under the impact on ecology, biodiversity due to earth works.

#### **Socio economic Environment**

There is no direct adverse impact observed due to violation activity on the socio-economic status of nearby villagers.



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**Damage Cost**

The estimated cost of damages resulting from earthwork activities conducted without prior Environmental Clearance is provided below.

**Damage Cost due to different activities**

| Sl. No. | Description       | Damage Cost (Rs.) |
|---------|-------------------|-------------------|
| 1.      | Air Environment   | 18,47,504         |
| 2       | Noise Environment | 5,612             |
| 3.      | Water Environment | 200               |
| Total   |                   | 18,53,316         |

**Remediation plan**

Proponent had initiated earthwork operations on their site without obtaining the necessary prior Environmental Clearance and comprehensive remediation plan has been developed to restore and enhance the affected ecosystem. This plan outlines the steps and measures that will be taken to address the environmental damage caused by the earthwork activities.

**Budget for remediation plan**

| Sl. No. | Potential Impact | Environmental Protection Measure For Construction Phase    | Unit Price                                                       | Calculation                   | Cost (Rs.) |
|---------|------------------|------------------------------------------------------------|------------------------------------------------------------------|-------------------------------|------------|
| 1       | Dust &           | Barricading the periphery by corrugated sheet of 9m height | 1m length x 9m height @ Rs 250 m (perimeter=1330 m)              | Perimeter 1330 x Rs. 250      | 3,32,500   |
| 2       | Casuous Emission | Avenue Plantation                                          | 2000 m length road @ 3 m interval on both side @ Rs 500 per tree | 670 trees * Rs 500            | 3,35,000   |
| 3       |                  | Use of face mask to avoid inhalation of dust particles     | 20 labours                                                       | 20 labours x Rs 500 per month | 10,000     |
| 4       |                  | Periodic maintenance of                                    | 1,00,000 per year                                                | 10 equipments                 | 1,00,000   |

|                             |                  |                                                                               |                                   |                                                               |           |
|-----------------------------|------------------|-------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|-----------|
|                             |                  | construction equipment                                                        |                                   | x Rs. 10,000 per year                                         |           |
| 5                           | Ground water     | Sewage effluent will be treated in mobile STP.                                | 50 KLD Mobile STP                 | 50kld mobile STP costs Rs. 18,00,000                          | 18,00,000 |
| 6                           | Noise            | Use of well-maintained equipment fitted with silencers                        | 10,000 for silencer x 10 vehicles | Rs 10,000 for silencer x 10 vehicles                          | 100,000   |
| 7                           |                  | Providing earmuffs/earplugs for working staff.                                | 20 labours                        | 20 labours x Rs 500 per month                                 | 10,000    |
| 8                           | Soil             | Topsoil will be conserved and reused for landscaping in the operational phase | Handling of topsoil using JCB     | Volume of Top soil to be handled = 15,447.12cu m x Rs.50/cu.m | 7,72,356  |
| 9                           | Solid waste      | Collection bins                                                               | 3 bins                            | 3 bins x Rs. 2000 per bin                                     | 6,000     |
| 10                          | Occupational     | Fire Extinguisher                                                             | Rs. 5,000 per extinguisher        | Rs. 5,000 per extinguisher x 10 piece                         | 10,000    |
| 11                          | Health and       | Emergency Room                                                                | 2,000 sqft room                   | 2000x500 per sqft                                             | 1,00,000  |
| 12                          | Safety           | Medical Check up                                                              | Rs. 5000 per labour               | 5000*20                                                       | 1,00,000  |
| 13                          | Land Environment | Green Belt Development for 960 No of trees                                    | Rs. 500/tree                      | 960 * 500                                                     | 4,80,000  |
| Budget for Remediation Plan |                  |                                                                               |                                   |                                                               | 13,36,000 |

### Natural Resource Augmentation Plan

M/s. Dishahabitat Projects LLP has agreed to provide a solar streetlight on road outside the project site and in Govt. schools, parks and library. Conservation of water by converting the existing abandoned wells into recharge structures in nearby villages





**Budget for Natural Resource Augmentation Plan**

| Activity                                                                                                         | Nos | Unit             | Amount in Rs    |
|------------------------------------------------------------------------------------------------------------------|-----|------------------|-----------------|
| Provision of solar street lights on roads outside the project sites and in Government schools, parks and library | 10  | 10,000 per light | 1,00,000        |
| Conservation of water by converting the existing abandoned wells into recharge structures in nearby villages.    | 5   | 10,000 per pit   | 50,000          |
| <b>Total cost</b>                                                                                                |     |                  | <b>1,50,000</b> |
| <b>Time period</b>                                                                                               |     |                  | <b>1 year</b>   |

**COMMUNITY RESOURCE DEVELOPMENT****Budget for Community Resource Development**

| Activity                                                                       | Amount in Rs    |
|--------------------------------------------------------------------------------|-----------------|
| Improvement of drinking water infrastructure in government schools and library | 2,00,000        |
| Skill Development by organising training courses through ITIs.                 | 1,00,000        |
| <b>Total cost</b>                                                              | <b>3,00,000</b> |
| <b>Time Period</b>                                                             | <b>1 Year</b>   |

**Bank Guarantee Amount Estimation**

The estimated amount of bank guarantee towards the Remediation Plan, Natural and community resource augmentation is 17.86 Lakhs. The details of Bank guarantee amount estimation is given below

**Bank Guarantee Amount Estimation**

| Activity                           | Budget in Lakhs | Time Period for implementation |
|------------------------------------|-----------------|--------------------------------|
| Remediation plan                   | 13.36           | 1 Year                         |
| Natural Resource Augmentation Plan | 1.50            | 1 Year                         |
| Community Resource Development     | 3.0             | 1 Year                         |
| <b>Total</b>                       | <b>17.86</b>    | <b>1 Year</b>                  |





The Committee carefully analyzed and accepted the calculations and appraised the Project.

The Committee during appraisal sought details regarding harvesting measures in the proposed area. The Proponent informed the Committee they had proposed storage tank of capacity 1,102cum capacity for runoff from rooftop and an additional tank of 1,492cum for runoff from hardscape and landscape areas along with 76number of recharge pits within the project area.

Further the Committee informed 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 960 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 recharge tank of capacity 1,102 cum and 1,492 cum and 76 recharge pits.
2. To grow trees in the early stage before taking up of construction.
3. Proponent agreed to source external water from KCWA approved water tankers.
4. Proponent agreed to carry out community recharge of bore wells in the vicinity of the site
5. Proponent agreed to construct lead of drains till the natural drains/water body for handling excess water.
6. To obtain Heigh Clearance from HAL before starting of construction activities.

The Authority perused the proposal and took note of the recommendation of SEAC. The matter was deliberated and it was felt that peak runoff and slope contribute to the net Harvestable rain water. The Project Proponent in their commitment have proposed Rain Water Harvesting. The Authority noted the same.





*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. Filing a complaint before Jurisdictional Court of law for the alleged violation under section 19 of the Environment (Protection) Act 1986. (Draft Complaint prepared by Advocate, SELAA.
  - (a) A Bank guarantee for an amount of Rs 22.4 Lakhs with the Karnataka State Pollution Control Board, Bengaluru along with details of remediation plan and Natural and Community Resource Augmentation Plan and the time frame for execution of the same.
  - (b) As per SoP dated:07.07.2021, section 12(b)(ii) 1% of the total expansion cost for 1,87,52,032/- i.e Rs. 1,87,520/-. Total Penalty amount shall be paid to Karnataka State Pollution Control Board, Bengaluru.

*The PP shall also submit the following details;*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) shall be submitted.*
2. *The PP shall submit CLR in Specific Physical Terms with time bound action plan.*
3. *The project proponent shall ensure that tree planting/afforestation measures proposed in the EMP shall be strictly complied and an undertaking to this effect shall be submitted.*
4. *The PP shall explore the possibility of installing smart meter for water conservation.*
5. *The PP shall utilize the excavated soil/earth within the project site.*

**Additional Condition:**

1. *Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.*
2. *25% of parking space shall have charging facility to enable charging of electric vehicles.*
3. *The PP shall strictly adhere to the local Planning Authority Bye-Laws.*
4. *The PP shall grow trees during the construction phase itself.*
5. *The PP shall source external water from KCIWA approved water sources.*



6. The PP shall carry out community recharge of bore wells in the vicinity of the site
7. The PP shall construct lead of drains till the natural drains/water body for handling excess water.
8. The PP shall obtain Height Clearance from HAL before starting of construction activities.
9. The PP shall grow 40 numbers of indigenous fruit yielding trees in the early stages of construction. [Example: Mango, Jackfruit, Jamoon, champaca (Sampige), Terminalia Arjuna (Arjuna), Ficus racemosa (Aiti mara), Sandalwood and Rosewood, Ocimum tenuiflorum (Sri Tulasi)].
10. The PP shall ensure that the EC is transferred to the resident welfare association (RWVA) at the time of handing over and advise the association to adhere to all the conditions of the EC during occupancy phase and also ensure submission of half Yearly Compliance report without lapse.
11. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.
12. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
13. The PP shall submit the Memorandum Of Understanding with Authorised/Registered C&D Waste recycler within six months to SEIAA.

The Authority also decided to authorize Shri H. K. Vasanth, Advocate and Scientific Officer, Department of Forest, Ecology and Environment for filing the complaint.

**248.1.4. S.R.Patil Medical College Hospital (630 beds) & Research Centre Project at Badagandi Village, Bilagi Taluk, Bagalkot District by M/s. S R Patil Education Foundation- Online Proposal No.SIA/KA/INFRA2/449991/2023 (SEIAA 234 CON 2023)**

S R Patil Education Foundation have proposed for construction of S R Patil Medical College, Hospital (630 beds) & Research Centre Project on a plot area of 81,058.53 Sqm. The total built up area is 53,888.85 Sqm. The proposed project consists of 12 Buildings - Medical college - Basement, ground + 2 floors - Hospital - Basement, ground + 3 floors - Hostel - Ground + 3 floors - Staff Quarters -Ground floor + 3 floors Total water consumption is 480 KLD (Fresh water + Recycled water). The total





wastewater generated is 430 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 450 KLD. The project cost is Rs. 69 Crores.

Details of the project are as follows:

| Sl. No | PARTICULARS                                                                                                              | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                        |
|--------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent                                                                                  | Shri. S.R. Patil, Chairman, S R Patil Education Foundation at Post:Badagandi, Tq: Bilagi, Dist: Bagalkot-587116                                                                                                                                                                   |
| 2      | Name & Location of the Project                                                                                           | M/s. S R Patil Medical College, Hospital (630 beds) & Research Centre at Sy No: 220/1, 220/2, 221/1, 221/2, 222/2, 222/2b, 222/3 and 222/4 of Badagandi village, Bilagi Taluk, Bagalkot-587116                                                                                    |
| 3      | Type of Development                                                                                                      |                                                                                                                                                                                                                                                                                   |
|        | a. Residential Apartment / Villas / Row Houses / Vertical / Office Development / IT / ITES/ Mall/ Hotel/ Hospital /other | Medical College, Hospital (630 beds) & Research Centre, Category B(a) as per EIA Notification                                                                                                                                                                                     |
|        | b. Residential Township/ Area Development Projects                                                                       | No                                                                                                                                                                                                                                                                                |
|        | c. Zoning Classification                                                                                                 | Converted land for educational institution                                                                                                                                                                                                                                        |
| 4      | New/ Expansion/ Modification/ Renewal                                                                                    | New (Educational building to Medical Hospital and college)                                                                                                                                                                                                                        |
| 5      | Water Bodies/ Nalas in the vicinity of project site                                                                      | One nala is adjacent (NW) to the project side                                                                                                                                                                                                                                     |
| 6      | Plot Area (Sq.m)                                                                                                         | 81,058.53 Sq.m                                                                                                                                                                                                                                                                    |
| 7      | Built Up area (Sq.m)                                                                                                     | 53,888.85 Sq.m                                                                                                                                                                                                                                                                    |
| 8      | FAR <ul style="list-style-type: none"> <li>• Permissible</li> <li>• Proposed</li> </ul>                                  | 2.0<br>0.66                                                                                                                                                                                                                                                                       |
| 9      | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]             | The project consists of 12 Buildings <ul style="list-style-type: none"> <li>• Medical college - Basement, ground + 2 floors</li> <li>• Hospital - Basement, ground + 3 floors</li> <li>• Hostel - Ground + 3 floors</li> <li>• Staff Quarters -Ground floor + 3 floors</li> </ul> |
| 10     | Number of units/plots in case of Construction/ Residential                                                               | Not Applicable                                                                                                                                                                                                                                                                    |

|     |                                                                                                        |                                   |     |
|-----|--------------------------------------------------------------------------------------------------------|-----------------------------------|-----|
|     | Township / Area Development Projects                                                                   |                                   |     |
| 11  | Height Clearance                                                                                       | -                                 |     |
| 12  | Project Cost (Rs. In Crores)                                                                           | 69 crores                         |     |
| 13  | Disposal of Demolition waste and or Excavated earth                                                    | Within the project site           |     |
| 14  | Details of Land Use (Sq.m)                                                                             |                                   |     |
| a.  | Ground Coverage Area                                                                                   | 26,181.90                         |     |
| b.  | Kharab Land                                                                                            | -                                 |     |
| c.  | Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006 | 26,749.31                         |     |
| d.  | Internal Roads                                                                                         | 12,645.13                         |     |
| e.  | Paved area                                                                                             |                                   |     |
| f.  | Others Specify                                                                                         | 15,482.19                         |     |
| g.  | Parks and Open space in case of Residential Township/ Area Development Projects                        | Not applicable                    |     |
| h.  | Total                                                                                                  | 81,058.53                         |     |
| 15  | WATER                                                                                                  |                                   |     |
| I.  | Construction Phase                                                                                     |                                   |     |
| a.  | Source of water                                                                                        | Bore well and Krishna River water |     |
| b.  | Quantity of water for Construction in KLD                                                              | 36.5                              |     |
| c.  | Quantity of water for Domestic Purpose in KLD                                                          | 6.5                               |     |
| d.  | Waste water generation in KLD                                                                          | 5.3                               |     |
| e.  | Treatment facility proposed and scheme of disposal of treated water                                    | Mobile STP                        |     |
| II. | Operational Phase                                                                                      |                                   |     |
| a.  | Total Requirement of Water in KLD                                                                      | Fresh                             | 358 |
|     |                                                                                                        | Recycled                          | 122 |
|     |                                                                                                        | Total                             | 480 |
| b.  | Source of water                                                                                        | Krishna River                     |     |
| c.  | Waste water generation in KLD                                                                          | 430                               |     |
| d.  | STP capacity & Area required                                                                           | 450 KLD                           |     |
| e.  | Technology employed for Treatment                                                                      | MBBR Technology                   |     |

|    |                                          |                                                                                  |                                                                                                                                                                                                                |
|----|------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | f.                                       | Scheme of disposal of excess treated water if any                                | Complete consumption within the project area                                                                                                                                                                   |
| 16 | Infrastructure for Rain water harvesting |                                                                                  |                                                                                                                                                                                                                |
|    | a.                                       | Capacity of sump tank to store Roof run off                                      | 480 CUM                                                                                                                                                                                                        |
|    | b.                                       | No's of Ground water recharge pits                                               | 20                                                                                                                                                                                                             |
| 17 | Storm water management plan              |                                                                                  | The entire storm water from the site would be disposed off through suitable RCC Box drainage system to the rainwater recharge pits and the excess is diverted to external storm water drainage.                |
| 18 | WASTE MANAGEMENT                         |                                                                                  |                                                                                                                                                                                                                |
|    | I. Construction Phase                    |                                                                                  |                                                                                                                                                                                                                |
|    | a.                                       | Quantity of Solid waste generation and mode of Disposal as per norms             | 15 kg/day                                                                                                                                                                                                      |
|    | II. Operational Phase                    |                                                                                  |                                                                                                                                                                                                                |
|    | a.                                       | Quantity of Biodegradable waste generation and mode of Disposal as per norms     | 557 kg/day                                                                                                                                                                                                     |
|    | b.                                       | Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms | 371 kg/day                                                                                                                                                                                                     |
|    | c.                                       | Quantity of Hazardous Waste generation and mode of Disposal as per norms         | Used oil from DG sets category 5.1. About 500 Liters/ Annum of spent oil is generated which is sent to authorized spent oil re-processor with manifest as per Hazardous Waste (Management and Handling Rules). |
|    | d.                                       | Quantity of E waste generation and mode of Disposal as per norms                 | -                                                                                                                                                                                                              |
| 19 | POWER                                    |                                                                                  |                                                                                                                                                                                                                |
|    | a.                                       | Total Power Requirement - Operational Phase                                      | 3395 KVA TIFSCOM                                                                                                                                                                                               |
|    | 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                               | Buildings design for maximum natural                                                                                                                                                                           |

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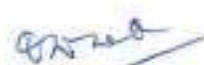
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|    |                                                  |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                               |
|----|--------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                  | including plan for utilization of solar energy as per ECBC 2007                | ventilation, illumination and insulation<br>♦ Solar PVs on the terrace<br>♦ Use of better specification illuminators, activity specific luminaires and LED illuminators<br>♦ Separate lighting circuit feeders and distribution boards are proposed.<br>♦ Lighting controllers like dimmer and occupancy sensors<br>♦ Energy efficient motors and transformers.<br>♦ 21.81% of Energy savings |
| 20 | PARKING                                          |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                               |
|    | a.                                               | Parking Requirement as per norms                                               | 150 ECS                                                                                                                                                                                                                                                                                                                                                                                       |
|    | b.                                               | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report | 'B' - very good                                                                                                                                                                                                                                                                                                                                                                               |
|    | c.                                               | Internal Road width (RoW)                                                      | 9 meters                                                                                                                                                                                                                                                                                                                                                                                      |
| 21 | CER Activities                                   |                                                                                | Sanitation, Health campaign's, and Education support to villagers                                                                                                                                                                                                                                                                                                                             |
| 22 | EMP<br>• Construction phase<br>• Operation Phase |                                                                                | Construction phase- Capital cost Rs.127 Lakhs and Rs.7.7 Lakhs recurring cost<br>Operation phase- Capital cost Rs 39.6 Lakhs and Rs.10.4 Lakhs recurring cost                                                                                                                                                                                                                                 |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for expansion and change in activity is an ongoing construction project from BUA of 46,728Sqm to 53,888.86Sqm in plot area of 81,948.83Sqm and to change the existing activity of educational institute to Hospital and College. The Proponent informed the Committee that initially they had planned for a residential school with BUA of 46,728Sqm in plot area 81,948.83Sqm and now due to the local requirement have revised the plan for construction of Hospital and Medical College. With regard to the existing construction, they have submitted approved plan for residential school from Panchayath Development Officer dated 14.04.2014 stated that and the earlier activity was exempted from EC upto BUA of 1.5Lakh Sqm, but now as the proposed activity comes within the ambit of EC as BUA is more than 20,000Sqm, they have stopped the construction activity and have applied for EC and justified that the





proposal does not attract violation of EIA Notification. The Proponent submitted architect certificate informing the BUA of constructed building as 26,688.11Sq.m. The Committee noted the clarification.

The Committee during appraisal sought details regarding drain as per village map and provisions made for harvesting rain water in the proposed area. The Proponent informed the Committee that for harvesting rain water, the Proponent has proposed 480 cum capacity of sump for runoff from rooftop, landscape and paved areas in addition to 20 recharge pits within the site area.

The Proponent informed that they have made provisions to grow and maintain 350 trees in the project area and provide charging facilities to electrical vehicles in the proposed project area. 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 and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

Further the Committee informed the Proponent 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 has collected baseline data of air, water, soil and noise which are all within the permissible limits and informed that all were within the limits.

The Committee noted that the baseline parameters are 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 RWH tanks 480 cum and 20 recharge pits.
2. To undertake additional plantation in the early stage of construction.
3. Proponent agreed to source external water from KGWA approved water tankers.
4. Proponent agreed to carry out community recharge of bore wells in the vicinity of the site
5. Proponent agreed to construct lead of drains till the natural drains/water body for handling excess water.

The Authority perused the proposal and took note of the recommendation of SEAC. The matter was deliberated and it was felt that peak runoff and slope contribute to the net Harvestable rain water. The Project Proponent in their commitment have proposed Rain Water Harvesting. The Authority noted the same.



**The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:**

1. If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) shall be submitted.
2. The PP shall submit CER in Specific Physical Terms with time bound action plan.
3. The project proponent shall ensure that tree planting/afforestation measures proposed in the EMP shall be strictly complied and an undertaking to this effect shall be submitted.
4. The PP shall explore the possibility of installing smart meter for water conservation.
5. The PP shall utilize the excavated soil/earth within the project site.

**Additional Condition:**

1. Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.
2. 25% of parking space shall have charging facility to enable charging of electric vehicles.
3. The PP shall strictly adhere to the local Planning Authority Bye-Laws.
4. The PP shall grow trees during the construction phase itself.
5. The PP shall source external water from KCWA approved water sources.
6. The PP shall carry out community recharge of bore wells in the vicinity of the site
7. The PP shall construct lead of drains till the natural drains/water body for handling excess water.
8. The PP shall grow indigenous fruit yielding trees in the early stages of construction. {Example: Mango, Jackfruit, Jamoon, Champaca (Sampige), Terminalia Arjuna (Arjuna), Ficus racemosa (Atti mara), Sandalwood and Rosewood, Ocimum tenuiflorum (Sri Tulasi)}.
9. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.



Received

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10. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
11. The PP shall submit the Memorandum Of Understanding with Authorised/Registered C&D Waste recycler with-in six months to SELAA.
12. The proponent shall establish a separate pre-treatment of Biomedical Liquid waste and the treated effluent shall be free from pathogens and disposed off as per Bio-Medical Waste (Management & Handling) Rules, 1998.
13. The Authority will not be responsible for the issues arising during the operational phase from the project surroundings.

**248.1.5. Development of "Residential Apartment" Project at Horamavu Agara Village, K.R. Puram Hobli, Bengaluru East Taluk, Bengaluru Urban District by M/s. Navajyothi Shelters Pvt. Ltd. - Online Proposal No.SIA/KA/INFRA2/451154/2023 (SELAA 240 CON 2023)**

M/s. Navajyothi Shelters Pvt. Ltd., have proposed for construction of Development of "Residential Apartment" Project on a plot area of 18,437.29 Sqm The total built up area is 52,705.855qm. The Proposed project comprising 388 No. of residential units distributed over Stilt+GF+3LP. Total water consumption is 289 KLD (Fresh water + Recycled water). The total wastewater generated is 260 KLD The project proponent has proposed to construct Sewage Treatment plant with capacity of 300KLD. The project cost is Rs. 140.65 Crores.

Details of the project are as follows:

| Sl. No | PARTICULARS                             | INFORMATION Provided by PP                                                                                                                                                               |
|--------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent | Mr. K. Chandrakanth, Director<br>M/s. Navajyothi Shelters Pvt. Ltd.,<br>No. 4/5, 10th Cross, 2nd Main,<br>Akshaya Nagar, T.C. Palya Main Road,<br>Ramamurthy nagar, Bengaluru - 560 016. |
| 2      | Name & Location of the Project          | Development of " Residential Apartment " Project at Sy. No. 41/2, Horamavu Agara Village, K.R. Puram Hobli, Bengaluru East Taluk, Bengaluru Urban District - 560 077.                    |
| 3      | Type of Development                     |                                                                                                                                                                                          |
| a.     | Residential Apartment / Villas /        | Residential Apartment                                                                                                                                                                    |

|    |                                                                                                              |                                                                                                                                                         |
|----|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other                          | Category 8(a) as per EIA Notification 2006                                                                                                              |
| b. | Residential Township/ Area Development Projects                                                              | NA                                                                                                                                                      |
| c. | Zoning Classification                                                                                        | As per the BDA RMP-2015, the proposed project site is designated as Public utilities Zone and land has been converted to Residential Purpose.           |
| 4  | New / Expansion/ Modification/ Renewal                                                                       | New                                                                                                                                                     |
| 5  | Water Bodies/ Nalas in the vicinity of project site                                                          | There is a tertiary nala running on northwest corner and eastern side of the site boundary, to which we have left 15 m as a buffer.                     |
| 6  | Plot Area (Sq.m)                                                                                             | 18,437.29 Sqm                                                                                                                                           |
| 7  | Built Up area (Sq.m)                                                                                         | 52,705.85Sq.m                                                                                                                                           |
| 8  | FAR <ul style="list-style-type: none"> <li>• Permissible</li> <li>• Proposed</li> </ul>                      | 2.25<br>2.248                                                                                                                                           |
| 9  | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | Proposed project comprising 388 No. of residential units distributed over Stilt+GF+3UF with a maximum height of 14.40 m                                 |
| 10 | Number of units/plots in case of Construction/ Residential Township / Area Development Projects              | NA                                                                                                                                                      |
| 11 | Height Clearance                                                                                             | 14.40 m (As per CCZM Map, the permissible height is 130 m and the height achieved for our proposed building is 14.40 m)                                 |
| 12 | Project Cost (Rs. In Crores)                                                                                 | Rs. 140.65Crores.                                                                                                                                       |
| 13 | Disposal of Demolition waste and or Excavated earth                                                          | Total Excavated earth quantity - 9,212m <sup>3</sup><br>For Backfilling& site formation - 3,857m <sup>3</sup><br>For Landscaping - 5,355 m <sup>3</sup> |
| 14 | Details of Land Use (Sq.m)                                                                                   |                                                                                                                                                         |
| a. | Ground Coverage Area                                                                                         | 9,211.64Sq.m                                                                                                                                            |
| b. | Kharab Land                                                                                                  | -                                                                                                                                                       |
| c. | Total Green belt on Mother Earth                                                                             | 6,693.85Sq.m                                                                                                                                            |





|          |                                                                                 |                                                                                                                                                                   |       |        |          |        |       |         |
|----------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|----------|--------|-------|---------|
|          | for projects under 8(a) of the schedule of the EIA notification, 2006           |                                                                                                                                                                   |       |        |          |        |       |         |
| d.       | Internal Roads                                                                  | 1863.00Sqm                                                                                                                                                        |       |        |          |        |       |         |
| e.       | Paved area                                                                      |                                                                                                                                                                   |       |        |          |        |       |         |
| f.       | Others Specify                                                                  | Service area - 668.80 Sqm                                                                                                                                         |       |        |          |        |       |         |
| g.       | Parks and Open space in case of Residential Township/ Area Development Projects | -                                                                                                                                                                 |       |        |          |        |       |         |
| h.       | Total                                                                           | 18,437.29Sqm                                                                                                                                                      |       |        |          |        |       |         |
| 15       | WATER                                                                           |                                                                                                                                                                   |       |        |          |        |       |         |
| I.       | Construction Phase                                                              |                                                                                                                                                                   |       |        |          |        |       |         |
| a.       | Source of water                                                                 | The domestic water requirement will be met by external suppliers and water requirement for construction purpose will be met by STP tertiary treated water.        |       |        |          |        |       |         |
| b.       | Quantity of water for Construction in KLD                                       | 20KLD                                                                                                                                                             |       |        |          |        |       |         |
| c.       | Quantity of water for Domestic Purpose in KLD                                   | 7.0KLD                                                                                                                                                            |       |        |          |        |       |         |
| d.       | Waste water generation in KLD                                                   | 6.0 KLD                                                                                                                                                           |       |        |          |        |       |         |
| e.       | Treatment facility proposed and scheme of disposal of treated water             | Domestic sewage generated during construction phase will be treated in mobile STP, treated water will be reused for dust suppression/landscaping within the site. |       |        |          |        |       |         |
| II.      | Operational Phase                                                               |                                                                                                                                                                   |       |        |          |        |       |         |
| a.       | Total Requirement of Water in KLD                                               | <table border="1"> <tr> <td>Fresh</td> <td>193KLD</td> </tr> <tr> <td>Flushing</td> <td>96 KLD</td> </tr> <tr> <td>Total</td> <td>289 KLD</td> </tr> </table>     | Fresh | 193KLD | Flushing | 96 KLD | Total | 289 KLD |
| Fresh    | 193KLD                                                                          |                                                                                                                                                                   |       |        |          |        |       |         |
| Flushing | 96 KLD                                                                          |                                                                                                                                                                   |       |        |          |        |       |         |
| Total    | 289 KLD                                                                         |                                                                                                                                                                   |       |        |          |        |       |         |
| b.       | Source of water                                                                 | BWSSB                                                                                                                                                             |       |        |          |        |       |         |
| c.       | Wastewater generation in KLD                                                    | 260KLD                                                                                                                                                            |       |        |          |        |       |         |
| d.       | STP capacity and area required                                                  | STP Capacity - 300 KLD and area- 2806sqm                                                                                                                          |       |        |          |        |       |         |
| e.       | Technology employed for Treatment                                               | Sequential Batch Reactor Technology                                                                                                                               |       |        |          |        |       |         |
| f.       | Scheme of disposal of excess treated water if any                               | Excess 97KLD for construction works/ Avenue plantation.                                                                                                           |       |        |          |        |       |         |
| 16       | Infrastructure for Rain water harvesting                                        |                                                                                                                                                                   |       |        |          |        |       |         |
| a.       | Capacity of sump tank to store Roof run off                                     | 350Cum                                                                                                                                                            |       |        |          |        |       |         |
| b.       | No's of Ground water recharge                                                   | 20 Nos.                                                                                                                                                           |       |        |          |        |       |         |

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|    |                                                                                   |                                                                                                                                                                                                                                                                                                                           |
|----|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | pits                                                                              |                                                                                                                                                                                                                                                                                                                           |
| 17 | Storm water management plan                                                       | Storm water sump of capacity 100 cum will be provided.<br>Internal garland drains will be provided within the site in order to carry out the storm water into the recharge pits and will be managed within the site, excess runoff will be routed to the external storm water drain on southern side of the project site. |
| 18 | <b>WASTE MANAGEMENT</b>                                                           |                                                                                                                                                                                                                                                                                                                           |
|    | <b>I. Construction Phase</b>                                                      |                                                                                                                                                                                                                                                                                                                           |
| a. | Quantity of Solid waste generation and mode of Disposal as per norms              | As there is no provision of labour colony, generation of domestic solid waste will be minimum and will be handed over to local vendors<br>Construction debris -26 m <sup>3</sup><br>This will be reused within the site for road and pavement formation.                                                                  |
|    | <b>II. Operational Phase</b>                                                      |                                                                                                                                                                                                                                                                                                                           |
| a. | Quantity of Biodegradable waste generation and mode of Disposal as per norms      | 342kg/day<br>This will be segregated and processed in proposed organic waste converter with of capacity within the site.<br>OWC capacity 400 kg/day (area 38 Sqm)                                                                                                                                                         |
| b. | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms | 514kg/day<br>Recyclable wastes will be handed over to authorized waste recyclers                                                                                                                                                                                                                                          |
| c. | Quantity of Hazardous Waste generation and mode of Disposal as per norms          | Waste Oil Generation:245l./Annum (0.49 L/ running) hour of DG<br>Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.                                                                                                                       |
| d. | Quantity of E waste generation and mode of Disposal as per norms                  | E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.                                                                                                                                                                                                    |
| 19 | <b>POWER</b>                                                                      |                                                                                                                                                                                                                                                                                                                           |
| a. | Total Power Requirement - Operational Phase                                       | 1472kVA                                                                                                                                                                                                                                                                                                                   |
| b. | Numbers of DG set and capacity in KVA for Standby Power Supply                    | 500 kVA - 2 Nos.                                                                                                                                                                                                                                                                                                          |
| c. | Details of Fuel used for DG Set                                                   | 209.52l/hr                                                                                                                                                                                                                                                                                                                |

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|    |                                                                                                                    |                                                                                                                                                                                      |                         |          |         |
|----|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------|---------|
| d. | Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 | Cu wound transformer, Solar Lights, solar water heater, LED, high efficiency Pumps etc.,<br>The overall energy savings is around 28 %                                                |                         |          |         |
| 20 | PARKING                                                                                                            |                                                                                                                                                                                      |                         |          |         |
| a. | Parking Requirement as per norms                                                                                   | 427 ECS                                                                                                                                                                              |                         |          |         |
| b. | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | Road                                                                                                                                                                                 | Towards                 | Existing | Changed |
|    |                                                                                                                    | 4 <sup>th</sup> Main Road                                                                                                                                                            | Kalkere Agara main road | A        | A       |
|    |                                                                                                                    | Kalkere Agara Main Road                                                                                                                                                              |                         | B        | B       |
| c. | Internal Road width (RoW)                                                                                          | 12.05 m wide Approach road                                                                                                                                                           |                         |          |         |
| 21 | CER Activities Proposed                                                                                            | Construction of storm water drain -Rs. 20.0 Lakhs                                                                                                                                    |                         |          |         |
| 22 | EMP<br>• Construction phase<br>• Operation Phase                                                                   | During Construction:<br>Capital Investment - 12.20Lakh<br>Construction - 82.15Lakh<br>During Operation:<br>Capital investment - 305.99Lakh<br>Operation Investment - 20.0 Lakh/annum |                         |          |         |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for construction of residential building project in an area earmarked for public utilities as per RMP of BDA, for which Proponent informed that they had obtained land conversion to residential from DC and change of land use to residential from BDA on 09.10.2017.

The Committee during appraisal sought details regarding drain as per village map, sensitive zone as per RMP of BDA and rain water harvesting measures in the proposed area. The Proponent informed the Committee that for the tertiary drain in eastern and northwestern sides, 15mtr buffer is proposed from the center of the drain. For sensitive zone, Proponent informed that they had obtained sensitive zone clearance from BDA on 28.11.2013. For harvesting rain water, the Proponent has informed the Committee that they had proposed storage tank of 350 cum capacity for runoff from rooftop, hardscape and landscape areas along with 20 recharge pits within the project area.







Further the Committee informed the Proponent to install smart water meters for individual units for conservation of water, 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 rain water storage tank of capacity 350 cum and 20 recharge pits.
2. To grow trees in the early stage before taking up of construction.
3. Proponent agreed to source external water from KGWA approved water tankers.

The Authority perused the proposal and took note of the recommendation of SEAC. The matter was deliberated and it was felt that peak runoff and slope contribute to the net Harvestable rain water. The Project Proponent in their commitment have proposed Rain Water Harvesting. The Authority noted the same.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. If the distance of nearest Protected Area (National Park/Sanctuary/Bio sphere reserve/migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/Sanctuary/Bio sphere reserve/migratory corridor) shall be submitted.
2. The PP shall submit CER in Specific Physical Terms with time bound action plan.
3. The project proponent shall ensure that tree planting/afforestation measures proposed in the EMP shall be strictly complied and an undertaking to this effect shall be submitted.

4. The PP shall explore the possibility of installing smart meter for water conservation.
5. The PP shall utilize the excavated soil/earth within the project site.

**Additional Condition:**

1. Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.
2. 25% of parking space shall have charging facility to enable charging of electric vehicles.
3. The PP shall strictly adhere to the local Planning Authority Bye-Laws.
4. The PP shall grow trees during the construction phase itself.
5. The PP shall source external water from KCWA approved water sources.
6. The PP shall grow 220 numbers of indigenous fruit yielding trees in the early stages of construction. [Example: Mango, Jackfruit, Jamroon, champaca (Sampige), Terminalia Arjuna (Arjuna), Ficus racemosa (Atti mara), Sandalwood and Rosewood, Ocimum tenuiflorum (Sri Tulasi)].
7. The PP shall ensure that the EC is transferred to the resident welfare association (RWA) at the time of handing over and advise the association to adhere to all the conditions of the EC during occupancy phase and also ensure submission of half Yearly Compliance report without lapse.
8. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.
9. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
10. The PP shall submit the Memorandum Of Understanding with Authorised/Registered C&D Waste recycler within six months to SEIAA.
11. The Authority will not be responsible for the issues arising during the operational phase from the project surroundings.

**248.1.6. Construction of additional residential blocks in existing ongoing construction project under Pradhan Mantri Awas Yojana (PMAY) Project at Iddya Village & Katipalla Village, Mangaluru Taluk, Dakshina Kannada**



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**District by Mangaluru City Corporation (MCC) - Online Proposal  
No.SIA/KA/INFRA/2/449400/2023 (SELAA 218 CON 2023)**

Mangaluru City Corporation (MCC) have proposed for construction of Construction of additional residential blocks in existing ongoing construction project on a plot area of 24,282 Sqm. The total built up area is 27,196.34 sq m. The proposed project consists of following.

| Block Name                            | No. of Blocks | No. of Flats | Scope of Building                                                        |
|---------------------------------------|---------------|--------------|--------------------------------------------------------------------------|
| Block A (Block No. 29 to 33, 34 & 35) | 7             | 112          | G + 3 Floor + Terrace                                                    |
| Block A1 (Block No. 12 to 21)         | 10            | 160          | G + 3 Floor + Terrace                                                    |
| Block B (Block No. 22 to 28)          | 7             | 140          | Lower Ground + Upper Ground + 3 Floors + Terrace                         |
| Block C (Block No. 1 to 11)           | 11            | 242          | Half Lower Ground 2 + Lower Ground + Upper Ground + 3 Floors + Terrace   |
| Block C1                              | 2             | 44           | Half Lower Ground 2 + Lower Ground 1 + Upper Ground + 3 Floors + Terrace |
| <b>Total No. of Blocks</b>            | <b>37</b>     | <b>698</b>   |                                                                          |

Total water consumption is 407 KLD (Fresh water + Recycled water). The total wastewater generated is 32 KLD. Total waste water will be disposed off in the CSTP of 16.5 MLD capacity at Surathkal. The project cost is Rs. 45.60 Crores.

Details of the project are as follows:

| Sr. No | PARTICULARS                             | INFORMATION PROVIDED BY PP                                                                                                                 |
|--------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent | Name: Mr Karthuk Shetty K.(Executive Engineer)<br><br>Address:<br>Mangaluru City Corporation (MCC)<br>M.C Road, Lalbagh Mangalore - 575003 |



Received





| Sl. No | PARTICULARS                                                                                                         | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                              |
|--------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2      | Name & Location of the Project                                                                                      | Name:<br>Proposed Construction of additional residential blocks in existing ongoing construction project under Pradhan Mantri Awas Yojana (PMAY)<br><br>Location:<br>SY. No. 16/P, 13/8(P1), 13/41(P1), 13/41(P2) & 157 P at Iddya Village & 83/1P at Katipalla Village |
| 3      | Type of Development                                                                                                 |                                                                                                                                                                                                                                                                         |
| a.     | Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ITES/ Mall/ Hotel/ Hospital /other | New project of Category 8(a) Building and Construction Projects as per EIA Notification, 2006                                                                                                                                                                           |
| b.     | Residential Township/ Area Development Projects                                                                     | Not applicable                                                                                                                                                                                                                                                          |
| c.     | Zoning Classification                                                                                               | Residential Development                                                                                                                                                                                                                                                 |
| 4      | New/ Expansion/ Modification/ Renewal                                                                               | Expansion                                                                                                                                                                                                                                                               |
| 5      | Water Bodies/ Nalas in the vicinity of project site                                                                 | NA                                                                                                                                                                                                                                                                      |
| 6      | Plot Area (Sqm)                                                                                                     | 24,282                                                                                                                                                                                                                                                                  |
| 7      | Built Up area (Sqm)                                                                                                 | 27,196.34                                                                                                                                                                                                                                                               |
| 8      | FAR <ul style="list-style-type: none"> <li>• Permissible</li> <li>• Proposed</li> </ul>                             | 2.90<br>1.20                                                                                                                                                                                                                                                            |



Accepted

| Sl. No | PARTICULARS                                                                                                    | INFORMATION PROVIDED BY PP                                                                                                                                  |                                                                                                 |              |                                                                          |
|--------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------|
|        |                                                                                                                | Block Name                                                                                                                                                  | No. of Blocks                                                                                   | No. of Flats | Scope of Building                                                        |
| 9      | Building Configuration<br>[Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] | Block A<br>(Block No. 29 to 33, 34 & 35)                                                                                                                    | 7                                                                                               | 112          | G + 3 Floor + Terrace                                                    |
|        |                                                                                                                | Block A1<br>(Block No. 12 to 21)                                                                                                                            | 10                                                                                              | 160          | G - 3 Floor + Terrace                                                    |
|        |                                                                                                                | Block B<br>(Block No. 22 to 28)                                                                                                                             | 7                                                                                               | 140          | Lower Ground + Upper Ground + 3 Floors + Terrace                         |
|        |                                                                                                                | Block C<br>(Block No. 1 to 11)                                                                                                                              | 11                                                                                              | 242          | Half Lower Ground 2 + Lower Ground + Upper Ground + 3 Floors + Terrace   |
|        |                                                                                                                | Block C1                                                                                                                                                    | 2                                                                                               | 44           | Half Lower Ground 2 + Lower Ground 1 + Upper Ground + 3 Floors + Terrace |
|        |                                                                                                                | <b>Total No. of Blocks</b>                                                                                                                                  | <b>37</b>                                                                                       | <b>698</b>   |                                                                          |
|        |                                                                                                                | 10                                                                                                                                                          | Number of units/plots in case of Construction / Residential Township/ Area Development Projects | 698          |                                                                          |
| 11     | Height Clearance                                                                                               | Proposed Height: 11.90m<br>Permissible Height: 150m                                                                                                         |                                                                                                 |              |                                                                          |
| 12     | Project Cost (Rs. In Crores)                                                                                   | Rs. 45.60 Cr                                                                                                                                                |                                                                                                 |              |                                                                          |
| 13     | Disposal of Demolition waste and or Excavated earth                                                            | No demolition activities will be carried out. Generated top soil will be reutilized for landscaping and construction of internal roads within the premises. |                                                                                                 |              |                                                                          |
| 14     | Details of Land Use (Sq.m)                                                                                     |                                                                                                                                                             |                                                                                                 |              |                                                                          |
| a.     | Ground Coverage Area                                                                                           | 5,807.15sq.m                                                                                                                                                |                                                                                                 |              |                                                                          |





| Sl. No | PARTICULARS                                                                                             | INFORMATION PROVIDED BY PP                                                                                                                     |
|--------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| b.     | Kharab Land                                                                                             | NA                                                                                                                                             |
| c.     | Total Green belt on Mother Earth for projects under 8(a) of the schedules of the RIA notification, 2006 | 5,900sq.m                                                                                                                                      |
| d.     | Internal Roads                                                                                          | 6,524.32sq.m                                                                                                                                   |
| e.     | Paved area                                                                                              |                                                                                                                                                |
| f.     | Others Specify                                                                                          | 3,459.83 sq.m (Area for road widening and Civic amenities)                                                                                     |
| g.     | Parks and Open space in case of Residential Township/ Area Development Projects                         | NA                                                                                                                                             |
| h.     | Total                                                                                                   | 24,282sq.m                                                                                                                                     |
| 15     | WATER                                                                                                   |                                                                                                                                                |
| I.     | Construction Phase                                                                                      |                                                                                                                                                |
| a.     | Source of water                                                                                         | An Open well at the site                                                                                                                       |
| b.     | Quantity of water for Construction in KLD                                                               | ~ 37                                                                                                                                           |
| c.     | Quantity of water for Domestic Purposes in KLD                                                          | 2.25                                                                                                                                           |
| d.     | Wastewater generation in KLD                                                                            | 1.8                                                                                                                                            |
| e.     | Treatment facility proposed and scheme of disposal of treated water                                     | Temporary sanitary facilities for construction labours will be provided. Wastewater will be disposed off in the leach pit (available at site). |
| II.    | Operational Phase                                                                                       |                                                                                                                                                |
| a.     | Total Requirement of Water in KLD                                                                       | Total Fresh water requirement of 407 kld                                                                                                       |
| b.     | Source of water                                                                                         | Mangalore Municipal Corporation (MCC)                                                                                                          |
| c.     | Wastewater generation in KLD                                                                            | 302 kld                                                                                                                                        |
| d.     | STP capacity                                                                                            | STP will not be constructed. Total waste water will be disposed off in the CSTP of 16.5 MLD capacity at Surathkal.                             |
| e.     | Technology employed for Treatment                                                                       | --                                                                                                                                             |
| f.     | Scheme of disposal of excess treated water if                                                           | --                                                                                                                                             |

| Sl. No | PARTICULARS                                                                      | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | any                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 16     | Infrastructure for Rain water harvesting                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| a.     | Capacity of sump tank to store Roof run off                                      | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| b.     | No's of Ground water recharge pits                                               | 8 No. of RWH pits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 17     | Storm water management plan                                                      | 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.<br>All potential contaminants such as lime, paints, whitewashes, shuttering lining, grease, oil, solvents, etc will be decontaminated/ 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. |
| 18     | WASTE MANAGEMENT                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| I.     | Construction Phase                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| a.     | Quantity of Solid waste generation and mode of Disposal as per norms             | <ul style="list-style-type: none"> <li>Domestic Waste(5 kg/day) - Biodegradable waste will be composted and rest shall be sent to MSW site.</li> <li>Demolition and Construction Waste - C&amp;D waste of 20.42 MT shall be segregated and reused within the Project site to the extent possible and the rest will be sold to recyclers (Proper facility for storage of construction wastes will be made at Project site).</li> <li>Plastic waste - to be sold to recyclers.</li> </ul>                                                                   |
| II.    | Operational Phase                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| a.     | Quantity of Biodegradable waste generation and mode of Disposal as per norms     | 733 kg/day - After segregation, biodegradable waste shall be composted in an Organic Waste Converter (OWC) depending up on the requirement for horticulture and will be sent to Common MSW Management Facility                                                                                                                                                                                                                                                                                                                                            |
| b.     | Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms | 165 kg/day - Recyclable waste shall be sold to recyclers. Non-biodegradable (108 kg/day) will be sent to Common Solid Waste Management Facility.                                                                                                                                                                                                                                                                                                                                                                                                          |
| c.     | Quantity of Hazardous Waste generation and mode of Disposal as per               | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



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| Sl. No  | PARTICULARS                                                                                                                                   | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|--------------------------------|----|---------------------------------------------|-----|----|----------------------------------------|-----|----|---------------------------------------------------------------------------------------|-----|
|         | norms                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| d.      | Quantity of E waste generation and mode of Disposal as per norms                                                                              | Negligible. E waste will be stored at a designated place and sold to registered recyclers.                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| 19      | POWER                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| a.      | Total Power Requirement -Operational Phase                                                                                                    | 848KvAfrom MESCOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| b.      | Numbers of DG set and capacity in KVA for Standby Power Supply                                                                                | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| c.      | Details of Fuel used for DG Set                                                                                                               | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| d.      | Energy conservation plan and Percentage of savings including plan for utilization of solar energy and compliance to Karnataka ECBC guidelines | <ul style="list-style-type: none"> <li>• Sound design of buildings for maximum natural ventilation, illumination and insulation.</li> <li>• Lighting controllers like dimmer and occupancy sensors are also proposed to conserve energy during non-occupancy.</li> <li>• Use of energy efficient LED lights.</li> </ul>                                                                                                                                                                          |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| 20      | PARKING                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| a.      | Parking Requirement as per norms                                                                                                              | Requirement of Two Wheelers: 200 Nos.<br>Provision of Two Wheelers: 717 Nos.                                                                                                                                                                                                                                                                                                                                                                                                                     |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| b.      | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                                                | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| c.      | Internal Road width (RoW)                                                                                                                     | 6m& 9m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| 21      | CER Activities                                                                                                                                | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| 22      | BMP <ul style="list-style-type: none"> <li>• Construction phase</li> </ul>                                                                    | <b>Construction Phase:</b> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>EMP Aspect</th> <th>Approx. Cost (Rupees in Lakhs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Barricades/dust barriers all-round the site</td> <td>5.0</td> </tr> <tr> <td>2.</td> <td>Sprinkling of water (non-rainy season)</td> <td>4.0</td> </tr> <tr> <td>3.</td> <td>Labour Management - first aid centre, safety measures, sanitation, amenities (through</td> <td>9.0</td> </tr> </tbody> </table> | Sr. No. | EMP Aspect | Approx. Cost (Rupees in Lakhs) | 1. | Barricades/dust barriers all-round the site | 5.0 | 2. | Sprinkling of water (non-rainy season) | 4.0 | 3. | Labour Management - first aid centre, safety measures, sanitation, amenities (through | 9.0 |
| Sr. No. | EMP Aspect                                                                                                                                    | Approx. Cost (Rupees in Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| 1.      | Barricades/dust barriers all-round the site                                                                                                   | 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| 2.      | Sprinkling of water (non-rainy season)                                                                                                        | 4.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |
| 3.      | Labour Management - first aid centre, safety measures, sanitation, amenities (through                                                         | 9.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |                                |    |                                             |     |    |                                        |     |    |                                                                                       |     |

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| Sl. No | PARTICULARS       | INFORMATION PROVIDED BY PP |                                                   |                                                |                                                  |
|--------|-------------------|----------------------------|---------------------------------------------------|------------------------------------------------|--------------------------------------------------|
|        |                   | Construction Contractors)  |                                                   |                                                |                                                  |
|        |                   | 4.                         | Environmental Monitoring - Air, Water, Noise      | 3.5                                            |                                                  |
|        |                   | <b>Total</b>               |                                                   | <b>21.5</b>                                    |                                                  |
|        | • Operation Phase |                            |                                                   |                                                |                                                  |
|        |                   | Sr. No                     | EMP Aspect                                        | Approx. Budgeted Capital cost (In Lakh Rupees) | Approx. Budgeted Operating Cost (In Lakh Rupees) |
|        |                   | 1.                         | Waste water recycling and Pipeline to CSTP        | 52.0                                           | 4.0                                              |
|        |                   | 2.                         | Greenbelt and other landscape development         | 22.0                                           | 2.5                                              |
|        |                   | 3.                         | Storm water drain and Rainwater Harvesting System | 8.6                                            | 1.2                                              |
|        |                   | 4.                         | Environmental Monitoring & Certification          | -                                              | 3.5                                              |
|        |                   | 5.                         | EHS Management Cell                               | 3.0                                            | -                                                |
|        |                   | 6.                         | Solid Waste Management                            | 15.0                                           | 5.0                                              |
|        |                   | 7.                         | Fire-fighting measures                            | 19.0                                           | 2.5                                              |
|        |                   | <b>Total</b>               |                                                   | <b>119.6</b>                                   | <b>18.7</b>                                      |
|        |                   | <b>Operation Phase:</b>    |                                                   |                                                |                                                  |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for expansion of BUA in an ongoing construction project from BUA of 19,573.55Sqm to 27,196.34Sqm in plot area of 24,282Sqm. The Proponent informed that for the ongoing construction they had obtained sanction for the plan from Mangalore City Corporation on 22.04.2021 for BUA of 19,573.55Sqm in plot area of 24,282Sqm and as per the letter of Assistant Executive Engineer, MCC dated 09.11.2023 submitted that BUA of 16,847.06 Sqm has been constructed and presently the Proponent has planned for expansion by adding additional BUA of 7,622.79Sqm and as the proposed BUA is crossing 20,000Sqm, they have applied for FC.

The Committee during appraisal sought details regarding provisions made for handling sewage from the proposed project and provisions made for harvesting rain water in the proposed area. The Proponent initially had informed that the sewage would be treated by the CETP of MCC located at a distance of 3.5km from the project site area but later submitted an undertaking and informed the Committee that they will install STP of 330KLD capacity within the proposed project before handing over to the occupants and submitted the flow chart, feasibility report and location details of STP. For harvesting rain water, the Proponent has proposed 08 recharge pits within the site area.

The Proponent informed that they have made provisions to grow and maintain 260 trees in the project area. 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 and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

Further the Committee informed the Proponent to install smart water meters for individual units for conservation of water, 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 has collected baseline data of air, water, soil and noise which are all within the permissible limits and informed that all were within the limits.

The Committee noted that the baseline parameters are 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 08 recharge pits
2. To provide STP of 330KLD before handing over of project.
3. To undertake additional plantation in the early stage of construction.
4. Proponent agreed to source external water from KGWA approved water tankers
5. Proponent agreed to carry out community recharge of bore wells in the vicinity of the site
6. Proponent agreed to construct lead of drains till the natural drains/water body for handling excess water.

The Authority perused the proposal and took note of the recommendation of SEAC. The matter was deliberated and it was felt that peak runoff and slope contribute to the net Harvestable rain water. The Project Proponent in their commitment have proposed Rain Water Harvesting. The Authority noted the same.

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*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLV) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) shall be submitted.*
2. *The PP shall submit CER in Specific Physical Terms with time bound action plan.*
3. *The project proponent shall ensure that tree planting/afforestation measures proposed in the EMP shall be strictly complied and an undertaking to this effect shall be submitted.*
4. *The PP shall utilize the excavated soil/earth within the project site.*

**Additional Condition:**

1. *Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.*
2. *25% of parking space shall have charging facility to enable charging of electric vehicles.*
3. *The PP shall strictly adhere to the local Planning Authority Bye-Laws.*
4. *The PP shall grow trees during the construction phase itself.*
5. *The PP shall source external water from KGVIA approved water sources.*
6. *The PP shall carry out community recharge of bore wells in the vicinity of the site*
7. *The PP shall construct lead of drains till the natural drains/water body for handling excess water.*
8. *The PP shall provide STP of 330KLD before handing over of project.*
9. *The PP shall grow 260 numbers of indigenous fruit yielding trees in the early stages of construction. [Example: Mango, Jackfruit, Jamroon, Champaca (Sampige), Terminalia Arjuna (Arjuna), Ficus racemosa (Atti mara), Sandalwood and Rosewood, Ocimum tenuiflorum (Sri Tulasi)].*
10. *The PP shall ensure that the EC is transferred to the resident welfare association (RWA) at the time of handing over and advise the association to adhere to all the*



conditions of the EC during occupancy phase and also ensure submission of half Yearly Compliance report without lapse.

11. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.
12. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
13. The PP shall submit the Memorandum Of Understanding with Authorised/Registered C&D Waste recycler within six months to SEIAA.
14. The Authority will not be responsible for the issues arising during the operational phase from the project surroundings.

**248.1.7. Expansion of of Municipal Market Complex with MLCP Project at Kankanady Village Mangaluru Taluk, Dakshina Kannada District by Mangalore City Corporation - Online Proposal No.SIA/Ka/INFRA2/450247/2023 (SEIAA 236 CON 2023)**

Mangalore City Corporation have proposed for construction of Expansion of "Municipal Market Complex including MLCP" Project on a plot area of 5,949.09. Sqm The total built up area is 25,457.68 sq m The proposed project consists of Single Tower including MLCP with Lower Basement + Upper Basement + Lower Ground + Upper Ground + 6 Floors + Terrace. Total water consumption is 129 KLD (Fresh water + Recycled water). The total wastewater generated is 107 KLD The project proponent has proposed to construct SuTP of 95 Kld. The project cost is Rs. 48.25 Crores.

Details of the project are as follows:

| Sl. No | PARTICULARS                             | INFORMATION Provided by PP                                                                                                                      |
|--------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent | Name: Mr. Naresh P. Shenoy (Executive Engineer)<br><br>Address:<br>Mangalore City Corporation<br>MC Rd, Lalbagh, Mangaluru, Karnataka<br>575003 |



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| Sl. No | PARTICULARS                                                                                                           | INFORMATION Provided by PP                                                                                                                   |
|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 2      | Name & Location of the Project                                                                                        | Name:<br>Expansion of "Municipal Market Complex including MLCP"<br><br>Location:<br>At Sy. No 472P, 471P, 450/1A1AP, 450/1A2, 450/1B, 450/1C |
| 3      | Type of Development                                                                                                   |                                                                                                                                              |
| a.     | Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital / other | Municipal Market Complex with MLCP Category 8(a) as per EIA Notification 2006                                                                |
| b.     | Residential Township/ Area Development Projects                                                                       | Not applicable                                                                                                                               |
| c.     | Zoning Classification                                                                                                 | Commercial development                                                                                                                       |
| 4      | New/ Expansion/ Modification/ Renewal                                                                                 | Expansion                                                                                                                                    |
| 5      | Water Bodies/ Nalas in the vicinity of project site                                                                   | NA                                                                                                                                           |
| 6      | Plot Area (Sqm)                                                                                                       | 5,949.09                                                                                                                                     |
| 7      | Built Up area (Sqm)                                                                                                   | 25,457.68                                                                                                                                    |
| 8      | FAR<br>• Permissible<br>• Proposed                                                                                    | 3.50<br>3.08                                                                                                                                 |
| 9      | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]          | Single Tower including MLCP with Lower Basement + Upper Basement + Lower Ground + Upper Ground + 6 Floors + Terrace                          |
| 10     | Number of units/plots in case of Construction/Residential Township / Area Development Projects                        | Not applicable                                                                                                                               |
| 11     | Height Clearance                                                                                                      | Proposed Height: 26.80 m<br>Permissible Height: 150 m                                                                                        |
| 12     | Project Cost (Rs. In Crores)                                                                                          | Rs. 48.25 Cr.                                                                                                                                |
| 13     | Disposal of Demolition waste and or Excavated earth                                                                   | • Excavated material will not be generated as Basements and upper floors are already constructed as per approved plan.                       |
| 14     | Details of Land Use (Sqm)                                                                                             |                                                                                                                                              |
| a.     | Ground Coverage Area                                                                                                  | 2,778,41sq.m                                                                                                                                 |





| Sl. No | PARTICULARS                                                                                             | INFORMATION Provided by PP                                                                                                       |
|--------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| b.     | Kharab Land                                                                                             | NA                                                                                                                               |
| c.     | Total Green belt on Mother Earth for projects under 8(a) of the schedules of the EIA notification, 2006 | 633.57sq.m                                                                                                                       |
| d.     | Internal Roads                                                                                          | 2,537.11sq.m                                                                                                                     |
| e.     | Paved area                                                                                              |                                                                                                                                  |
| f.     | Others Specify                                                                                          | --                                                                                                                               |
| g.     | Parks and Open space in case of Residential Township/ Area Development Projects                         | NA                                                                                                                               |
| h.     | Total                                                                                                   | 5,949.09sq.m                                                                                                                     |
| 15     | WATER                                                                                                   |                                                                                                                                  |
| I.     | Construction Phase                                                                                      |                                                                                                                                  |
| a.     | Source of water                                                                                         | MCC Supply                                                                                                                       |
| b.     | Quantity of water for Construction in KLD                                                               | 37                                                                                                                               |
| c.     | Quantity of water for Domestic Purposes in KLD                                                          | 3.2                                                                                                                              |
| d.     | Wastewater generation in KLD                                                                            | 2.6                                                                                                                              |
| e.     | Treatment facility proposed and scheme of disposal of treated water                                     | Temporary sanitary facilities for construction labours will be provided, Wastewater will be disposed off in the UGD line of MCC. |
| II.    | Operational Phase                                                                                       |                                                                                                                                  |
| a.     | Total Requirement of Water in KLD                                                                       | Fresh 59                                                                                                                         |
|        |                                                                                                         | Recycled 70                                                                                                                      |
|        |                                                                                                         | Total 129                                                                                                                        |
| b.     | Source of water                                                                                         | Mangalore Municipal Corporation (MCC)                                                                                            |
| c.     | Wastewater generation in KLD                                                                            | 107kld                                                                                                                           |
| d.     | STP capacity                                                                                            | SuTP of 95 kld will be constructed in place of STP                                                                               |
| e.     | Technology employed for Treatment                                                                       | --                                                                                                                               |
| f.     | Scheme of disposal of excess treated water if any                                                       | Zero discharge to UGD of MCC as 33.3 kld of waste water will be disposed off to CSTP                                             |
| 16     | Infrastructure for Rain water harvesting                                                                |                                                                                                                                  |
| a.     | Capacity of sump tank to store Roof run off                                                             | A Sump tank of 60 cu.m                                                                                                           |
| b.     | No's of Ground water recharge pits                                                                      | 16 RWH pits + 1 Sump tank of 60cu.m (17                                                                                          |

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| Sl. No | PARTICULARS                                                                       | INFORMATION Provided by PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |                                                                                   | RWH Structures)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 17     | Storm water management plan                                                       | 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.<br>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. |
| 18     | WASTE MANAGEMENT                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| I.     | Construction Phase                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| a.     | Quantity of Solid waste generation and mode of Disposal as per norms              | <ul style="list-style-type: none"> <li>* Domestic Waste(7 kg/day) - Biodegradable waste will be composted and rest shall be sent to MSW site.</li> <li>* Demolition and Construction Waste - Approx. 1018MTC&amp;D waste shall be segregated and reused within the Project site to the extent possible and the rest will be sold to recyclers (Proper facility for storage of construction wastes will be made at Project site).</li> <li>* Plastic waste - to be sold to recyclers.</li> </ul>                                                     |
| II.    | Operational Phase                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| a.     | Quantity of Biodegradable waste generation and mode of Disposal as per norms      | 886 kg/day - After segregation, biodegradable waste shall be composted in an Organic Waste Converter (OWC) and Incineration                                                                                                                                                                                                                                                                                                                                                                                                                         |
| b.     | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms | 554 kg/day - Recyclable waste shall be sold to recyclers. Non-biodegradable (33.5 kg/day) will be sent to Common Solid Waste Management Facility.                                                                                                                                                                                                                                                                                                                                                                                                   |
| c.     | Quantity of Hazardous Waste generation and mode of Disposal as per norms          | 17.6 kg/day - Will be handed over to KSPCB approved vendors/Ward level waste collection center                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| d.     | Quantity of E waste generation and mode of Disposal as per norms                  | 8.2 kg/day - E waste will be stored at a designated place and sold to registered                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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| Sl. No             | PARTICULARS                                                                                                                                   | INFORMATION Provided by PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--|--|--------|------------|--------------------------------|----|---------------------------------------------|------|----|----------------------------------------|------|----|------------------------------------------------------------------------------|------|
|                    |                                                                                                                                               | recyclers/Ward level waste collection center                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| 19                 | <b>POWER</b>                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| a.                 | Total Power Requirement - Operational Phase                                                                                                   | 425 kVA from MESCOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| b.                 | Numbers of DG set and capacity in KVA for Standby Power Supply                                                                                | A DG set of 500 kVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| c.                 | Details of Fuel used for DG Set                                                                                                               | HSD - 100 l/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| d.                 | Energy conservation plan and Percentage of savings including plan for utilization of solar energy and compliance to Karnataka ECBC guidelines | <ul style="list-style-type: none"> <li>▪ Solar panels on the roof tops (Solar power generation: Approx. 68kW power).</li> <li>▪ Separate lighting circuit feeders and distribution boards are proposed from raw power circuits.</li> <li>▪ Lighting controllers like dimmer and occupancy sensors are also proposed to conserve energy during non-occupancy.</li> <li>▪ All higher rating motors are proposed with soft starters to save energy during starting and to achieve smooth starting of motor.</li> <li>▪ 30.21% of Energy will be saved by using LED equipment &amp; Solar Energy.</li> </ul> |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| 20                 | <b>PARKING</b>                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| a.                 | Parking Requirement as per norms                                                                                                              | 505 ECS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| b.                 | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                                                | E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| c.                 | Internal Road width (RoW)                                                                                                                     | 6m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| 21                 | CBR Activities                                                                                                                                | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| 22                 | EMP <ul style="list-style-type: none"> <li>• Construction phase</li> </ul>                                                                    | <table border="1"> <thead> <tr> <th colspan="3">Construction Phase</th> </tr> <tr> <th>Sr. No</th> <th>EMP Aspect</th> <th>Approx. Cost (Rupees in Lakhs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Barricades/dust barriers all-round the site</td> <td>10.0</td> </tr> <tr> <td>2.</td> <td>Sprinkling of water (non-rainy season)</td> <td>12.0</td> </tr> <tr> <td>3.</td> <td>Labour Management - first aid centre, safety measures, sanitation, amenities</td> <td>11.0</td> </tr> </tbody> </table>                                                                                        | Construction Phase |  |  | Sr. No | EMP Aspect | Approx. Cost (Rupees in Lakhs) | 1. | Barricades/dust barriers all-round the site | 10.0 | 2. | Sprinkling of water (non-rainy season) | 12.0 | 3. | Labour Management - first aid centre, safety measures, sanitation, amenities | 11.0 |
| Construction Phase |                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| Sr. No             | EMP Aspect                                                                                                                                    | Approx. Cost (Rupees in Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| 1.                 | Barricades/dust barriers all-round the site                                                                                                   | 10.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| 2.                 | Sprinkling of water (non-rainy season)                                                                                                        | 12.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |
| 3.                 | Labour Management - first aid centre, safety measures, sanitation, amenities                                                                  | 11.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |  |  |        |            |                                |    |                                             |      |    |                                        |      |    |                                                                              |      |

| Sl. No            | PARTICULARS | INFORMATION Provided by PP |                                                   |                                                |                                                  |
|-------------------|-------------|----------------------------|---------------------------------------------------|------------------------------------------------|--------------------------------------------------|
| • Operation Phase |             |                            | (through Construction Contractors)                |                                                |                                                  |
|                   |             | 4.                         | Environmental Monitoring<br>- Air, Water, Noise   | 4.0                                            |                                                  |
|                   |             |                            | <b>Total</b>                                      | <b>37.0</b>                                    |                                                  |
|                   |             | <b>Operation Phase</b>     |                                                   |                                                |                                                  |
|                   |             | Sr. No.                    | EMP Aspect                                        | Approx. Budgeted Capital cost (In Lakh Rupees) | Approx. Budgeted Operating Cost (In Lakh Rupees) |
|                   |             | 1.                         | SuTP and Grey Water Recycling                     | 40                                             | 15                                               |
|                   |             | 2.                         | Greenbelt and other landscape development         | 17                                             | 3.5                                              |
|                   |             | 3.                         | Storm water drain and Rainwater Harvesting System | 80                                             | 7                                                |
|                   |             | 4.                         | Environmental Monitoring                          | -                                              | 4                                                |
|                   |             | 5.                         | EHS Management Cell                               | -                                              | 23                                               |
|                   | 6.          | Solid Waste Management     | 50                                                | 13                                             |                                                  |
|                   | 7.          | Energy conservation        | 85                                                | 23                                             |                                                  |
|                   |             | <b>Total</b>               | <b>256.0</b>                                      | <b>88.5</b>                                    |                                                  |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for expansion of BUA in an ongoing construction project from BUA of 19,199.506sqm to 25,457.606sqm in plot area of 5,949Sqm. The Proponent informed



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that for the ongoing construction they had obtained sanction for the plan from Mangalore City Corporation on 13.01.2022 for BUA of 19,199.55sqm in plot area of 5,949sqm and as per the letter of Executive Engineer, MCC dated 09.11.2023 they have submitted that BUA of 18,117.57sqm has been constructed and presently the Proponent has planned for expansion by adding additional BUA of 6,258.18sqm and as the proposed BUA is crossing 20,000sqm, they have applied for EC.

The Committee during appraisal sought details regarding provisions made for handling sewage from the proposed project, odour control measures and provisions made for harvesting rain water in the proposed area. The Proponent initially had informed that the sewage would be treated by the CETP of MCC through UGD from the project site area but later submitted an undertaking and informed the Committee that they will install STP of 50KLD capacity along with 95KLD SuTP in the proposed project before the operation phase. To control odour Proponent submitted the following Odour control measures,

- The Market place would have separate area for sale of vegetables, and non-vegetarian raw food items.
- To increase the freshness of the fish, and reduce odour, fish would be stored inside thermocol ice boxes, and on ice slabs. This shall also reduce smell of fish by lowering volatalisization of smelly compounds.
- High ambient moisture, low oxygen level and high temperatures increase bacterial decomposition rate of non-vegetarian raw food items. Artificial ventilation would be provided in the non-vegetarian raw food item marketing area by mechanical means.
- To have better fresh air circulation within the market areas, mechanical ventilation system would be adopted in the fish and meat market floor.
- The location of the meat, poultry and fish market is planned in such a way that proper ventilation for fresh airflow would be provided. There will be provision for ice, refrigeration and cold storage facilities in the Market Complex to prevent rotting of the items sold in the market. DG backups have been planned to assure uninterrupted power supply for refrigeration.
- Separate under drain system with slopes in different directions would be created to segregate the wash water from these market areas.
- The non-vegetarian raw food items would be stored, handled and dressed inside cemented basins with atleast 10 mm high margins, equipped with drain pipes fitted with valves, thus making the basin hose-able.
- Under drain systems would have heavy duty gully traps (with SS wire mesh) which shall filter out solids from wash water. The non-vegetarian solids will be taken to OWC for manuring.
- Large solid particles would be collected by brooms and blade wipers so that they do not go into the underdrain system.
- Water from the non-vegetarian raw food items marketing area would be taken to a now proposed 50 KLD secondary and tertiary treatment STP. As tertiary treatment, final deodorization and decolorization would be carried out by

aggressive dosing of ozone, which shall eliminate colour and odour from the treated wastewater. This treated wastewater would be drained in the UGD system of MCC.

The Proponent submitted the following Treatment system for colour and odour removal from SuTP (Sullage Treatment Plant),

- Streams from vegetarian and non-vegetarian food articles would be segregated at source (collected from different areas of the Market building).
- Wash water streams from the non-vegetarian food articles would be taken to the now proposed 50 KLD STP. The secondary-tertiary STP would be equipped with a strong dose ozonator to treat any smell or colour.
- This treated water would be sent to the UGD system of MCC.
- Wash water streams from the vegetarian food items would be treated in a secondary-tertiary SuTP (Sullage Treatment Plant). This treated water would be conventionally treated, de-septicised by ozone treatment and will be reused in floor washing of the market.
- Solids from the both streams would be filtered out, as described in the section above, and would be treated in a OWC.

The Committee noted the clarification submitted by Proponent and informed the Proponent to abide by the details submitted above for odour control measures and treatment system in the proposed project, for which the Proponent agreed.

The Proponent informed that they have made provisions to grow and maintain 80 trees in the project area. 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 and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

Further the Committee informed the Proponent 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 has collected baseline data of air, water, soil and noise which are all within the permissible limits and informed that all were within the limits.

The Committee noted that the baseline parameters are 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 rain water harvesting tank of 60cum and 08 recharge pits







2. To install STP of 50KLD before operation phase
3. Proponent agreed to abide by the details submitted for odour control measures and treatment system in the proposed project
4. To undertake additional plantation in the early stage of construction.
5. Proponent agreed to source external water from KCWA approved water tankers.
6. Proponent agreed to carry out community recharge of bore wells in the vicinity of the site

The Authority perused the proposal and took note of the recommendation of SEAC. The matter was deliberated and it was felt that peak runoff and slope contribute to the net Harvestable rain water. The Project Proponent in their commitment have proposed Rain Water Harvesting. The Authority noted the same.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) shall be submitted.*
2. *The PP shall submit CER in Specific Physical Terms with time bound action plan.*
3. *The project proponent shall ensure that tree planting/afforestation measures proposed in the EMP shall be strictly complied and an undertaking to this effect shall be submitted.*
4. *The PP shall utilize the excavated soil/earth within the project site.*

**Additional Condition:**

1. *Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.*
2. *25% of parking space shall have charging facility to enable charging of electric vehicles.*
3. *The PP shall strictly adhere to the local Planning Authority Bye-Laws.*
4. *The PP shall grow trees during the construction phase itself.*
5. *The PP shall source external water from KCWA approved water sources.*

6. The PP shall abide by the details submitted for odor control measures and treatment system in the proposed project.
7. The PP shall provide STP of 330KLD before handing over of project
8. The PP shall carry out community recharge of bore wells in the vicinity of the site
9. The PP shall grow 80 numbers of indigenous fruit yielding trees in the early stages of construction. [Example: Mango, Jackfruit, Jamroon, champaca (Sampige), Terminalia Arjuna (Arjuna), Ficus racemosa (Atti mara), Sandalwood and Rosewood, Ocimum tenuiflorum (Sri Tulasi)].
10. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.
11. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
12. The PP shall submit the Memorandum Of Understanding with Authorised/Registered C&D Waste recycler within six months to SEIAA.
13. The Authority will not be responsible for the issues arising during the operational phase from the project surroundings.

**248.1.8. Establishment of additional phase of Police Quarters Project at Sy. No.2116, Rajiv Gandhi colony, 8th Cross, Shivaji road, Shivajinagar, Bengaluru by M/s. Karnataka State Police Housing & Infrastructure Development Corporation Ltd. BENGALURU - Online Proposal No.SIA/KA/INFRA2/450819/2023 (SEIAA 241 CON 2023)**

Karnataka State Police Housing & Infrastructure Development Corporation Li have proposed for construction of Establishment of additional phase of Police Quarters Project on a plot area of 20,321.7 Sqm (5A 0.86G). The total built up area is 26,050.16 Sqm. The proposed project consists of Existing: Block A: SF+GF+7UF+TF - under construction, Block B: SF+GF+7UF+1F - under construction, Block 1: GF+2UF+TF, Block 2: GF+2UF+1F, Proposed. Block C:SF+GF+7UF+(1F, Block D:SF+GF+7UF+TF. Total water consumption is 189 KLD (Fresh water + Recycled water). The total wastewater generated is 151 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 200 KLD. The project cost is Rs. 40.0 Crores.





Details of the project are as follows:

| Sl. No | PARTICULARS                                                                                                          | INFORMATION                                                                                                                                                                                                                   |
|--------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent                                                                              | <b>Mr. SATISH BABU K S</b><br><b>Executive Engineer</b><br>Karnataka State Police Housing & Infrastructure Development Corporation Limited<br>Bangalore Urban Division, KSIPH & IDCL, Bangalore.                              |
| 2      | Name & Location of the Project                                                                                       | <b>"Establishment of additional phase of Police Quarters"</b> City sy.no.2116. Rajiv Gandhi colony, 8 <sup>th</sup> Cross Shivaji road, Shivajinagar, Bengaluru-560051.                                                       |
| 3      | Type of Development                                                                                                  |                                                                                                                                                                                                                               |
| a.     | Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Establishment of additional phase of Police Quarters                                                                                                                                                                          |
| b.     | Residential Township/ Area Development Projects                                                                      | Not Applicable                                                                                                                                                                                                                |
| 4      | New/Expansion/Modification/Renewal                                                                                   | Expansion                                                                                                                                                                                                                     |
| 5      | Water Bodies/ Nalas in the vicinity of project site                                                                  | No                                                                                                                                                                                                                            |
| 6      | Plot Area (Sqm)                                                                                                      | 20,321.7 Sqm (5A 0.86G)                                                                                                                                                                                                       |
| 7      | Built Up area (Sqm)                                                                                                  | Existing BUA - 13,790.44 Sqm<br>Proposed BUA - 12,259.72 Sqm<br>Total BUA - 26,050.16 Sqm                                                                                                                                     |
| 8      | FAR<br>♦ Permissible<br>• Proposed                                                                                   | Permissible - 1.75 (35,562.97 Sqm)<br>Achieved - 1.09 (22,244.32 Sqm)                                                                                                                                                         |
| 9      | Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]         | ♦ Existing: Block A:SF+GF+7UP+TF - 28.35 m-under construction<br>Block B: SF+GF+7UP+TF - 28.35 m-under construction<br>Block 1: GF+2UF+TF - 9.45m<br>Block 2: GF+2UF+TF - 9.45m<br>♦ Proposed: Block C:SF+GF+7UF+TF - 28.35 m |

|    |                                                                                                         |                                                                                                                                                                 |
|----|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                                                                         | Block D:SF+GF+7UF+TF - 28.35 m                                                                                                                                  |
| 10 | Number of units/plots in case of Construction/ Residential Township /Area Development Projects          | Existing units - 152 nos<br>Proposed units - 128 nos<br>Total units - 280 nos                                                                                   |
| 11 | Height Clearance                                                                                        | Project site elevation - 938 m<br>Building Height - 28.35 m<br>Maximum building height: 966.35 m<br>As per CCZM, permissible Top elevation 1010 m AMSL or below |
| 12 | Project Cost (Rs. in Crores)                                                                            | 40Crores (expansion cost)                                                                                                                                       |
| 13 | Disposal of Demolition waste and or Excavated earth                                                     | NA                                                                                                                                                              |
| 14 | Details of Land Use (Sqm)                                                                               |                                                                                                                                                                 |
| a. | Ground Coverage Area                                                                                    | 3,219.44Sqm                                                                                                                                                     |
| b. | Kharab Land                                                                                             | -                                                                                                                                                               |
| c. | Total Green belt on Mother Earth for projects under 8(a) of the schedules of the EIA notification, 2006 | 4,701.075qm                                                                                                                                                     |
| d. | Paved area                                                                                              | 12,401.19Sqm                                                                                                                                                    |
| e. | Others Specify                                                                                          | --                                                                                                                                                              |
| f. | Parks and Open space in case of Residential Township/ Area Development Projects                         | --                                                                                                                                                              |
| g. | Total                                                                                                   | 20,321.70Sqm                                                                                                                                                    |
| 15 | WATER CONSUMPTION                                                                                       |                                                                                                                                                                 |
| 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                                                                                                                                   |

|                                                   |                                                                              |                                                                                                                                                                                                                                                                                 |        |
|---------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>II. Operational Phase</b>                      |                                                                              |                                                                                                                                                                                                                                                                                 |        |
| a.                                                | Total Requirement of Water in KLD                                            | Fresh                                                                                                                                                                                                                                                                           | 126KLD |
|                                                   |                                                                              | Recycled                                                                                                                                                                                                                                                                        | 63KLD  |
|                                                   |                                                                              | Total                                                                                                                                                                                                                                                                           | 189KLD |
| b.                                                | Source of water                                                              | BWS&B                                                                                                                                                                                                                                                                           |        |
| c.                                                | Wastewater generation in KLD                                                 | 151 KLD                                                                                                                                                                                                                                                                         |        |
| d.                                                | STP capacity                                                                 | 85KLD augmented to 200 KLD                                                                                                                                                                                                                                                      |        |
| e.                                                | Technology employed for Treatment                                            | Sequence Batch Reactor (SBR) Technology                                                                                                                                                                                                                                         |        |
| f.                                                | Scheme of disposal of excess treated water if any                            | Available treated water - 143 KLD (95% of sewage water)<br>For flushing - 63 KLD<br>For gardening - 29 KLD<br>For Car washing - 7 KLD<br>Other construction purpose/ Avenue Plantation - 44 KLD                                                                                 |        |
| <b>16 Infrastructure for Rainwater harvesting</b> |                                                                              |                                                                                                                                                                                                                                                                                 |        |
| a.                                                | Capacity of sump tank to store Roof run off                                  | 2X290 Cum (2 Days storage)                                                                                                                                                                                                                                                      |        |
| b.                                                | Nos of Ground water recharge pits                                            | 90 No' s                                                                                                                                                                                                                                                                        |        |
| 17                                                | Storm water management plan                                                  | <ul style="list-style-type: none"> <li>Land is gently sloping terrain and sloping towards south-east direction.</li> <li>Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn &amp; roads.</li> </ul> |        |
| <b>18 WASTE MANAGEMENT</b>                        |                                                                              |                                                                                                                                                                                                                                                                                 |        |
| <b>I. Construction Phase</b>                      |                                                                              |                                                                                                                                                                                                                                                                                 |        |
| a.                                                | Quantity of Solid waste generation and mode of Disposal as per norms         | Quantity - 10 kg/day<br>Solid waste will be generated and collected manually and handed over to local body for further processing                                                                                                                                               |        |
| <b>II. Operational Phase</b>                      |                                                                              |                                                                                                                                                                                                                                                                                 |        |
| a.                                                | Quantity of Biodegradable waste generation and mode of Disposal as per norms | Quantity - 252 kg/day<br>Organic wastes will be segregated & collected separately and processed in organic waste converter.<br>Sludge generated from STP of quantity 8.0kg/day will be reused as manure for greenery development purposes.                                      |        |

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|           |                                                                                                                    |                                                                                                                                                                    |
|-----------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| b.        | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                  | Quantity - 378kg/day<br>Recyclable waste will be given to the waste collectors for recycling for further processing.                                               |
| c.        | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           | Waste oil of 0.13KL/annum will be generated from the DG sets will be collected in leak proof barrels and handed over to the authorized waste oil recyclers.        |
| d.        | Quantity of E waste generation and mode of Disposal as per norms                                                   | E-Wastes will be collected & stored in bins and disposed to the authorized & approved KSPCB E-waste processors.                                                    |
| <b>19</b> | <b>POWER</b>                                                                                                       |                                                                                                                                                                    |
| a.        | Total Power Requirement - Operational Phase                                                                        | BESCOM - 1050kVA                                                                                                                                                   |
| b.        | Numbers of DG set and capacity in KVA for Standby Power Supply                                                     | 4x62.5 kVA (Existing :2x62.5 kVA and Proposed: 2x62.5 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, VFD drive lifts, energy efficient motors, copper wound transformer, LED lights are proposed in the project -18%. |
| <b>20</b> | <b>PARKING</b>                                                                                                     |                                                                                                                                                                    |
| a.        | Parking Requirement as per norms                                                                                   | Required = 154no' s, Provided = 154 nu' s                                                                                                                          |
| b.        | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | Traffic study conducted towards Balekundri circle and towards Shivajinagar. The LOS is "B" .                                                                       |
| c.        | Internal Road width (RoW)                                                                                          | 8 m                                                                                                                                                                |
| 21        | CER Activities Proposed                                                                                            | It is a government project the CER activities and its budget provision with respect to the proposed project are not worked out.                                    |
| 22        | EMP <ul style="list-style-type: none"> <li>• Construction phase</li> <li>• Operation Phase</li> </ul>              | Construction phase - 26.25lakhs<br>Operational Phase 263.00lakhs                                                                                                   |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for expansion of BUA in an ongoing construction project from BUA of 13,790.44 Sqm to 26,050.16 Sqm in plot area of 20,321.706sqm. The Proponent informed

that with regard to the ongoing construction they had obtained sanction for the plan from Executive Engineer, Karnataka State Police Housing and Infrastructure Development Corporation limited on 13.10.2022 for BUA of 12,259.72Sqm in plot area of 20,321.70Sqm and an old building with BUA 1,530.72Sqm had been constructed prior to 2006 and have obtained CFE from KSPCB dated 30.09.2023 for the ongoing construction and as per the Executive Engineer KSPH&IDCL letter dated 15.11.2023. The construction is in the initial stage and foundation work is in progress and justified the same with photographs and as the Proponent has planned for expansion by adding additional BUA of 12,259.72Sqm and as the proposed BUA is above 20,000 Sqm, they have applied for EC.

The Committee during appraisal sought details regarding provisions made for harvesting rain water in the proposed area. The Proponent informed the Committee that for harvesting rain water, the Proponent has proposed 2x290cum capacity of sump for runoff from rooftop, landscape and paved areas in addition to 90 recharge pits within the site area.

The Proponent informed that they have made provisions to grow and maintain 260 trees in the project area and provide charging facilities to electrical vehicles in the proposed project area. 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 and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

Further the Committee informed the Proponent to install smart water meters for individual units for conservation of water, 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 has collected baseline data of air, water, soil and noise which are all within the permissible limits and informed that all were within the limits.

The Committee noted that the baseline parameters are 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 RWH tanks 2x290cum capacity and 90 recharge pits.
2. To undertake additional plantation in the early stage of construction.
3. Proponent agreed to source external water from KCWA approved water tankers.
4. Proponent agreed to carry out community recharge of bore wells in the vicinity of the site
5. Proponent agreed to construct lead of drains till the natural drains/water body for handling excess water.



The Authority perused the proposal and took note of the recommendation of SEAC. The matter was deliberated and it was felt that peak runoff and slope contribute to the net Harvestable rain water. The Project Proponent in their commitment have proposed Rain Water Harvesting. The Authority noted the same.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) shall be submitted.*
2. *The PP shall submit CER in Specific Physical Terms with time bound action plan.*
3. *The project proponent shall ensure that tree planting/afforestation measures proposed in the FMP shall be strictly complied and an undertaking to this effect shall be submitted.*
4. *The PP shall utilize the excavated soil/earth within the project site.*

**Additional Condition:**

1. *Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.*
2. *25% of parking space shall have charging facility to enable charging of electric vehicles.*
3. *The PP shall strictly adhere to the local Planning Authority Bye-Laws.*
4. *The PP shall grow trees during the construction phase itself.*
5. *The PP shall source external water from KGWVA approved water sources.*
6. *The PP shall carry out community recharge of bore wells in the vicinity of the site.*
7. *The PP shall construct lead of drains till the natural drains/water body for handling excess water.*
8. *The PP shall grow 260 numbers of indigenous fruit yielding trees in the early stages of construction. [Example: Mango, Jackfruit, Jamoun, champaca (Sampige), Terminalia Arjuna (Arjuna), Ficus racemosa (Attimara), Sandalwood and Rosewood, Ocimum tenuiflorum (Sri Tulasi)].*



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9. The PP shall ensure that the EC is transferred to the resident welfare association (RWVA) at the time of handing over and advise the association to adhere to all the conditions of the EC during occupancy phase and also ensure submission of half Yearly Compliance report without lapse.
10. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.
11. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
12. The PP shall submit the Memorandum Of Understanding with Authorized/Registered C&D Waste recycler within six months to SEIAA.
13. The Authority will not be responsible for the issues arising during the operational phase from the project surroundings.

**248.1.9. Commercial (Office) Building project at Site No 04, PID No.81-1-4, Mahatma Gandhi Road, Bengaluru by M/s.M.S.Ramaiah Developers & Builders Pvt. Ltd. - Online Proposal No.SIA/KA/INFRA2/442966/2023 (SEIAA 176 CON 2023)**

M/s.M.S.Ramaiah Developers & Builders Pvt. Ltd. have proposed for construction of - Development of Commercial (Office) Building project on a plot area of 4,814.00 Sqmt. The total built up area is 22,996.00 Sqmt. The proposed project consists of 2 Basement +Ground+ 7 UF+ Terrace. Total water consumption is 65 KLD (Fresh water + Recycled water). The total wastewater generated is 52 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 55 KLD. The project cost is Rs. 80.00 Crores.

Details of the project are as follows:

| Sl. No | PARTICULARS                             | INFORMATION Provided by PP                                                                                              |
|--------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent | M/s. M.S.Ramaiah Developers & Builders Pvt. Ltd.,<br># 2/4, MSRIT Campus, MSRIT Post, Mathikere, Bangalore-560054       |
| 2      | Name & Location of the Project          | Development of Commercial (Office) Building project at Site No 04, PID No.81-1-4, Mahatma Gandhi Road, Bangalore-560001 |





|    |                                                                                                                      |                                                                                                                                                                      |
|----|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3  | Type of Development                                                                                                  |                                                                                                                                                                      |
| a. | Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other | Development of Commercial (office) Building Category 8(a) as per EIA Notification 2006                                                                               |
| b. | Residential Township/ Area Development Projects                                                                      | NA                                                                                                                                                                   |
| 4  | New/ Expansion/ Modification/ Renewal                                                                                | New                                                                                                                                                                  |
| 5  | Water Bodies/ Nalas in the vicinity of project site                                                                  | NA                                                                                                                                                                   |
| 6  | Plot Area (Sqm)                                                                                                      | 4,814.00 Sqmt                                                                                                                                                        |
| 7  | Built Up area (Sqm)                                                                                                  | 22,996.00 Sqmt                                                                                                                                                       |
| 8  | FAR <ul style="list-style-type: none"> <li>• Permissible</li> <li>• Proposed</li> </ul>                              | 3.25<br>3.24                                                                                                                                                         |
| 9  | Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]          | 2 Basement +Ground+ 7 UP+ Terrace                                                                                                                                    |
| 10 | Number of units/plots in case of Construction/Residential Township /Area Development Projects                        | NA                                                                                                                                                                   |
| 11 | Height Clearance                                                                                                     | Justification:Existing building of Mittal towers at a distance of 30mtrs from the proposed site area is having height of 49.5mtrs and proposed building is 29.98mtrs |
| 12 | Project Cost (Rs. In Crores)                                                                                         | Rs. 80 Cr.                                                                                                                                                           |
| 13 | Disposal of Demolition waster and or Excavated earth                                                                 | Demolition waste of 1000 cum is given to authorized vendor for further process and Excavated earth we used our project site only.                                    |
| 14 | Details of Land Use (Sqm)                                                                                            |                                                                                                                                                                      |
| a. | Ground Coverage Area                                                                                                 | 1,950.05sqmt                                                                                                                                                         |
| b. | Kharab Land                                                                                                          | NA                                                                                                                                                                   |
| c. | Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006               | 1,190.0 Sqm                                                                                                                                                          |
| d. | Internal Roads                                                                                                       | 1674.0 Sqm                                                                                                                                                           |
| e. | Paved area                                                                                                           |                                                                                                                                                                      |
| f. | Others Specify                                                                                                       | NA                                                                                                                                                                   |

Accepted

|     |                                                                                 |                                                                                                                         |
|-----|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| g.  | Parks and Open space in case of Residential Township/ Area Development Projects | NA                                                                                                                      |
| h.  | Total                                                                           | 4,814 Sqm                                                                                                               |
| 15  | <b>WATER</b>                                                                    |                                                                                                                         |
| I.  | <b>Construction Phase</b>                                                       |                                                                                                                         |
| 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                                   | 5KLD                                                                                                                    |
| d.  | Waste water generation in KLD                                                   | 4 KLD                                                                                                                   |
| e.  | Treatment facility proposed and scheme of disposal of treated water             | Disposed to Existing Sewer line                                                                                         |
| II. | <b>Operational Phase</b>                                                        |                                                                                                                         |
| a.  | Total Requirement of Water in KLD                                               | Fresh 37 KLD                                                                                                            |
|     |                                                                                 | Recycled 28 KLD                                                                                                         |
|     |                                                                                 | Total 65 KLD                                                                                                            |
| b.  | Source of water                                                                 | BWSSB                                                                                                                   |
| c.  | Waste water generation in KLD                                                   | 52 KLD                                                                                                                  |
| d.  | STP capacity                                                                    | 55 KLD                                                                                                                  |
| e.  | Technology employed for Treatment                                               | SBR Technology, Area required for STP IS 55 Sqmt                                                                        |
| f.  | Scheme of disposal of excess treated water if any                               | The treated water in our project only                                                                                   |
| 16  | <b>Infrastructure for Rain water harvesting</b>                                 |                                                                                                                         |
| a.  | Capacity of sump tank to store Roof run off                                     | 175 m <sup>3</sup> of collection sump is provided<br>Area required for Rain water tank is 175Sqmt                       |
| b.  | No's of Ground water recharge pits                                              | 5 nos.                                                                                                                  |
| 17  | Storm water management plan                                                     | We provided 175 m <sup>3</sup> of of roof water collection sump and 5nos. of recharge pits all along the project site.. |
| 18  | <b>WASTE MANAGEMENT</b>                                                         |                                                                                                                         |
| I.  | <b>Construction Phase</b>                                                       |                                                                                                                         |
| a.  | Quantity of Solid waste generation and mode of Disposal as per norms            | Handed over to BBMP authorities                                                                                         |
| II. | <b>Operational Phase</b>                                                        |                                                                                                                         |
| a.  | Quantity of Biodegradable waste generation and mode of Disposal                 | 116kg/day converted in to organic manure and used for garden                                                            |

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|    |                                                                                                                    |                                                                                                                                   |
|----|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|    | as per norms                                                                                                       | 16 kg/ hr<br>120 kg/day of capacity<br>Space required is 10 sqmt                                                                  |
| h. | Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms                                  | 174 kg/day given to PCB authorized recycler                                                                                       |
| c. | Quantity of Hazardous Waste generation and mode of Disposal as per norms                                           | 120-150 lts given to PCB authorized recycler                                                                                      |
| d. | Quantity of E waste generation and mode of Disposal as per norms                                                   | 150 kg/year given to PCB authorized recycler                                                                                      |
| 19 | POWER                                                                                                              |                                                                                                                                   |
| a. | Total Power Requirement - Operational Phase                                                                        | 1120 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 | Total savings of 14.9%                                                                                                            |
| 20 | PARKING                                                                                                            |                                                                                                                                   |
| a. | Parking Requirement as per norms                                                                                   | 216 ECS                                                                                                                           |
| b. | Level of Service (LOS) of the connecting Roads as per the Traffic Study Report                                     | Level of Service (LOS) of the connecting MG Road as per the Traffic Study Report towards Bangalore city is B and towards ORR is B |
| c. | Internal Road width (RoW)                                                                                          | 8.0                                                                                                                               |
| 21 | CER Activities                                                                                                     | To provide infrastructure development of near by Govt. School                                                                     |
| 22 | FMP <ul style="list-style-type: none"> <li>• Construction phase</li> <li>• Operation Phase</li> </ul>              | 62.0 Lakhs<br>125.0 lakhs                                                                                                         |

The subject was discussed in the SEAC meeting held on 16<sup>th</sup>, 17<sup>th</sup> & 18<sup>th</sup> October 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for construction of commercial building project in an area earmarked for commercial use as per RMP of BDA.



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The Committee during appraisal sought details regarding the existing building and rain water harvesting measures in the proposed area. The Proponent informed the Committee that there is an existing old building which would be demolished after obtaining necessary permission and demolition waste of around 1000 cum would be handed over to authorized vendors. For harvesting rain water, the Proponent has informed the Committee that they have proposed a storage tank of 175 cum capacity for runoff from rooftop, hardscape and landscape areas along with 5 recharge pits within the project area.

Further the Committee informed the Proponent 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 60 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 recharge tank of capacity 175 cum and 5 recharge pits.
2. To obtain permission from concerned authority for demolition and to handle the C&D waste as per the C&D Waste Management Rules 2016
3. To grow trees in the early stage before taking up of construction.
4. Proponent agreed to source external water from KGWA approved water tankers.

The Authority perused the proposal and took note of the recommendation of SEAC during the meeting held on 7<sup>th</sup> November 2023.

Further, the Authority noted the complaint received vide email (rameshgowda19822@gmail.com) dated 05.11.2023. The details are as follows;

*" I am writing to bring to your attention some significant concerns and objections regarding the proposed project at Site No 04, PID No.81-1-4, Mahatma Gandhi Road, Bengaluru-56001, which is currently under review by the State Expert Appraisal Committee (SEAC). It has come to my attention that several critical aspects of the project do not adhere to regulatory guidelines, potentially leading to detrimental environmental consequences.*



1. *Absence of Demolition Waste Management Plan:* It has come to our notice that there is a building within the project site, and no demolition waste management plan has been submitted, which is a clear violation of environmental regulations.

2. *Tree Preservation Concerns:* There is a substantial number of trees within the project site, which raises the necessity for a No Objection Certificate (NOC) for forest clearance to ensure their preservation.

3. *Khata Ownership:* The Khata ownership is in the name of "The Church of South India Associates" and not "M/s. M. S. Ramiah Developers & Builders PVT LTD," which needs clarification.

4. *STP Location and Design:* The Sewage Treatment Plant (STP) is proposed to be located below ground level, which is not in accordance with regulations. Furthermore, the design of the STP appears to lack Biological Nutrient Removal (BNR), a crucial component of sewage treatment.

5. *Infeasible STP Location:* The STP's proposed location is marked in a position where there is a ramp, making it physically infeasible. A *landscape.pdf* document has been uploaded in portal from which we can understand this claim.

6. *Hygiene Concerns:* Form IA, Section 2.12, mentions that sewage produced will be directed into the sewer line, raising hygiene concerns especially in the MG Road area.

7. *Environmental Sensitivity:* In Form 1(I), every column indicating environmental sensitivity is marked as 'nil,' which suggests a lack of due diligence by the consultant. This is problematic, especially when there is clear evidence of drainage and forest within a 15 km radius.

8. *Excessive Noise Levels:* Noise level tests indicate that the *L<sub>eq</sub>* value exceeds the prescribed limit of 65 dBA, registering at 77 dBA during the daytime. It is concerning that there are no proposed mitigation measures to address this issue. Given the presence of trees within the site, preserving the natural noise attenuation provided by these trees is recommended.

*In light of these concerns, I kindly request SEAC to thoroughly assess and scrutinize the proposed project, ensuring that it aligns with all the requisite environmental and regulatory standards. The potential negative impacts on the environment and public health should not be underestimated.*

*I sincerely hope that the SEAC will consider these issues and take appropriate actions to rectify the shortcomings in the project proposal. The environment and the well-being of the people in the area should remain of paramount importance.*

*Thank you for your attention to these concerns, and I look forward to a favorable resolution to this matter".*

*The Authority after discussion and examination of the documents decided to refer the file back to SEAC to reexamine the proposal in the light of the complaint received and take appropriate decision after seeking necessary clarification.*



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The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The Proposal was earlier considered in 305<sup>th</sup> SEAC meeting and the Committee had recommended the proposal to SEIAA for issue of EC. The Authority in its 245<sup>th</sup> SEIAA meeting had referred back the proposal informing,

*"The Authority perused the proposal and took note of the recommendation of SEAC.*

*Further, the Authority noted the complaint received vide email (rameshgowda19822@gmail.com) dated 05.11.2023. The details are as follows:*

*" I am writing to bring to your attention some significant concerns and objections regarding the proposed project at Site No 04, PID No,81-1-4, Mahatma Gandhi Road, Bengaluru-56001, which is currently under review by the State Expert Appraisal Committee (SEAC). It has come to my attention that several critical aspects of the project do not adhere to regulatory guidelines, potentially leading to detrimental environmental consequences.*

*1. Absence of Demolition Waste Management Plan: It has come to our notice that there is a building within the project site, and no demolition waste management plan has been submitted, which is a clear violation of environmental regulations.*

*2. Tree Preservation Concerns: There is a substantial number of trees within the project site, which raises the necessity for a No Objection Certificate (NOC) for forest clearance to ensure their preservation.*

*3. Khata Ownership: The Khata ownership is in the name of "The Church of South India Association" and not "M/s. M. S. Ramaiah Developers & Builders Pvt. Ltd.," which needs clarification.*

*4. STP Location and Design: The Sewage Treatment Plant (STP) is proposed to be located below ground level, which is not in accordance with regulations. Furthermore, the design of the STP appears to lack Biological Nutrient Removal (BNR), a crucial component of sewage treatment.*

*5. Infeasible STP Location: The STP's proposed location is marked in a position where there is a ramp, making it physically infeasible. A landscape.pdf document has been uploaded in portal from which we can understand this claim.*

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6. *Hygiene Concerns:* Form 1A, Section 2.12, mentions that sewage produced will be directed into the sewer line, raising hygiene concerns especially in the MG Road area.

7. *Environmental Sensitivity:* In Form 1(I), every column indicating environmental sensitivity is marked as 'nil,' which suggests a lack of due diligence by the consultant. This is problematic, especially when there is clear evidence of drainage and forest within a 15 km radius.

8. *Excessive Noise Levels:* Noise level tests indicate that the Leq value exceeds the prescribed limit of 65 dBA, registering at 77 dBA during the daytime. It is concerning that there are no proposed mitigation measures to address this issue. Given the presence of trees within the site, preserving the natural noise attenuation provided by these trees is recommended.

In light of these concerns, I kindly request SEAC to thoroughly assess and scrutinize the proposed project, ensuring that it aligns with all the requisite environmental and regulatory standards. The potential negative impacts on the environment and public health should not be underestimated."

The Committee in the present meeting, sought clarification for the following observations from the project Proponent and Consultant,

1. *Absence of Demolition Waste Management Plan:* It has come to our notice that there is a building within the project site, and no demolition waste management plan has been submitted, which is a clear violation of environmental regulations.

Reply: The Proponent informed that the old building in the project site is ruined and constructed in cement and with wooden roof. The window and some portion of wooden roof to be handed over to recyclers. The estimated quantity of C & D waste of approximately 1000cum and to be handed over to KSPCB authorized vendors for re-process and to buy back 40% of recycled material for the proposed construction. The permission from the BBMP for demolition of the old building will be taken before initiating demolition work and justified the existing building status with the photos of building is below. Further, informed the Committee that the details of demolition was earlier already mentioned in the Form -1 and was presented in slide number 16 before the Committee in 305<sup>th</sup> SEAC meeting.

- 2) *Tree Preservation Concerns:* There is a substantial number of trees within the project site, which raises the necessity for a No Objection Certificate (NOC) for forest clearance to ensure their preservation.

Reply: The Proponent informed that in the present proposal it is proposed to remove 4 trees and retain 6 trees and before removing the trees permission from BBMP (Forest cell) to be taken and proposed to grow additional of 60 trees of below mentioned species to be grown all around the periphery of the building. Further, informed the Committee that the details was earlier already mentioned in

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the Form -1 and was presented in slide number 12 before the Committee in 305<sup>th</sup> SEAC meeting.

| Proposed List of trees |                      |
|------------------------|----------------------|
| Latin Name             | Common Name          |
| Artocarpus integra     | Jack fruit tree      |
| Mangifera indica       | Mango                |
| Syzygium cumini        | Jamun                |
| Anthocephalus kadamba  | Kadamba              |
| Azadirachta indica     | Neem                 |
| Michelia champaka      | Champa               |
| Pongamia pinnata       | Honge                |
| Saraca asoca           | Asoka                |
| Terminalia arjuna      | Arjun                |
| Terminalia catappa     | Indian almond/ Badam |

3) *Khata Ownership: The Khata ownership is in the name of "The Church of South India Trust Association" and not "M/s. M.S. Ramaiah Developers & Builders Pvt. Ltd.," which needs clarification.*

**Reply:** The Proponent informed that presently the owner of the land "The Church of South India Trust Association", M/s. M.S. Ramaiah Developers & Builders Pvt. Ltd. has taken land for lease of 21 years for construction of commercial building and because of this the Khata owner remains in the name of "The Church of South India Trust Association" and in the registered lease the Church of South India Association represented By its Treasurer cum CEO Dr John S Doria through his duly appointed GPA Holder Sir Thyagaraj Director, CSITA made Deed Of Lease on 17/5/2019 to M/s. M.S. Ramaiah Developers & Builders PVT LTD. and justified the same in the registered Lease deed and in the Encumbrance Certificate.

4) *STP Location and Design: The Sewage Treatment Plant (STP) is proposed to be located below ground level, which is not in accordance with regulations. Furthermore, the design of the STP appears to lack Biological Nutrient Removal (BNR), a crucial component of sewage treatment.*

**Reply:** The Proponent informed that they have provided well exhaust system for the removal of odor from the STP & also provided air blower for providing fresh air to the STP and had proposed anoxic tank which is used for denitrification

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process/ Biological Nutrient Removal The STP design details including Anoxic tank is submitted.

Design of Anoxic tank:

Design average flow = 55 KLD

Detention Time = 4 Hr

Volume of anoxic tank = 10.02m<sup>3</sup>

Anoxic tank dimension = 3.34 m x 1.0m x 3.0m

Further, informed the Committee that the details of STP was earlier presented in slide number 20 before the Committee in 305<sup>th</sup> SEAC meeting.

- 5) *Infeasible STP Location: The STP's proposed location is marked in a position where there is a ramp, making it physically infeasible. A landscape.pdf document has been uploaded in portal from which we can understand this claim.*

Reply: The Proponent informed that the capacity STP is 55 KLD and in the proposed project they have two basements of height 9.8 mts. 2<sup>nd</sup> basement at height of 4.5 mts and First Basement height is 5.30 mts. As per the design the maximum height of all our tank is 3m and 0.5 mts is Free board

As, total height of the basements is 9.8 mts and there is a difference of 6.3 mts and this 6.3mts is sufficient to do the maintenance, cleaning and operational work. For construction of the STP there is sufficient space for each unit & pump room with easy accessibility for each unit. And had also obtained CFE from KSPCB for the proposed project dated 11.10.2023.

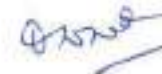
- 6) *Hygiene Concerns: Form IA, Section 2.12, mentions that sewage produced will be directed into the sewer line, raising hygiene concerns especially in the MG Road area*

Reply: The Proponent informed that the earlier sewage generated from the labour toilets of 3 Nos. and 3 Nos. of bath rooms; of total sewage 4KLD is proposed to connect the existing sewer but now had proposed for 5 KLD of mobile STP for treating sewage from the labour & it is reused for construction purposes.

- 7) *Environmental Sensitivity: In Form 1 (I), every column indicating environmental sensitivity is marked as 'nil,' which suggests a lack of due diligence by the consultant. This is problematic, especially when there is clear evidence of drainage and forest within a 15km radius.*

Reply: The Proponent informed that the nearest water body present is Ulsoor lake is at an aerial distance of 540m from the project site and Bannerghatta National Park is more than 15 km away from the project site. The area of 5km radius around the





project site is completely developed and Sufficient Storm water drainage systems are in constructed by Government with Engineered Box Drain is provided to carry the storm water and assured that no water to be entering the drainage system from the site area and functionality of existing drains would not be altered.

- 8) *Excessive Noise Levels: Noise level tests indicate that the Leq value exceeds the prescribed limit of 65 dBA, registering at 77 dBA during the daytime. It is concerning that there are no proposed mitigation measures to address this issue. Given the presence of trees within the site, preserving the natural noise attenuation provided by these trees is recommended.*

Reply: The Proponent informed that the noise level tests are done for the surrounding area; due to the vehicular movements around the site area the noise level are on higher side. As a part of mitigation plan, 60 trees around the boundary of the project site to be grown as a barrier and for DC sets used in the project are with proper acoustics to controlling the noise.

The Committee noted the clarification given by the Proponent and informed the Proponent to clarify whether the treasurer and CEO Dr. John S. Doria has been authorized by "The Church of South India Trust Association" to Execute deed of lease infavour M/s. Ramaiah Developers & Builders Pvt. Ltd., for which the Proponent has not submitted the documents / clarification.

The Committee after discussion decided to reiterate its earlier decision taken in 305<sup>th</sup> SEAC meeting and to forward the proposal to SEIAA for necessary action with a condition to obtaining the above mention documents before grant of EC.

The Authority perused the proposal and took note of the recommendation of SEAC. The matter was deliberated and it was felt that peak runoff and slope contribute to the net Harvestable rain water. The Project Proponent in their commitment have proposed Rain Water Harvesting. The Authority noted the same.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

- 1. If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) shall be submitted.*
- 2. The PP shall submit CER in Specific Physical Terms with time bound action plan.*



3. The project proponent shall ensure that tree planting/afforestation measures proposed in the EMP shall be strictly complied and an undertaking to this effect shall be submitted.
4. The PP shall utilize the excavated soil/earth within the project site.

**Additional Condition:**

1. Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.
2. The project proponent shall provide adequate electrical charging stations/booth for charging E Vehicles commensurate with its usage for commercial Building.
3. The PP shall strictly adhere to the local Planning Authority Bye-Laws.
4. The PP shall grow trees during the construction phase itself.
5. The PP shall source external water from KGVVA approved water sources.
6. The PP shall grow 60 numbers of indigenous fruit yielding trees in the early stages of construction. [Example: Mango, Jackfruit, Jamoon, champaca (Sampige), Terminalia Arjuna (Arjuna), Ficus racemosa (Atti mara), Sandalwood and Rosewood, Ocimum tenuiflorum (Sri Tulasi)].
7. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.
8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
9. The PP shall submit the Memorandum Of Understanding with Authorized/Registered C&D Waste recycler within six months to SEIAA.

**Mining Projects:**

**248.1.10. Building Stone Quarry Project at Donnenahalli Village, Bengaluru South Taluk, Bengaluru Urban District (1-37 Acres) by M/s. Adarsha Granites Stone Crushers - Online Proposal No.SIA/KA/MIN/450708/2023 (SELAA 355 MIN 2021)**

M/s. Adarsha Granites Stone Crushers have applied for Environmental clearance from SEIAA for Building Stone Quarry Project at Sy.No.26 of Donnenahalli Village, Bengaluru South Taluk, Bengaluru Urban District (1-37 Acres)



Details of the project are as follows:

| SLNo         | PARTICULARS                                                                                                                                                                                                              | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1            | Name & Address of the Projects Proponent                                                                                                                                                                                 | M/s. Adarsha Granites Stone Crushers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 2            | Name & Location of the Project                                                                                                                                                                                           | Building Stone Quarry Project at Sy.No.26 of Dommehalli Village, Bengaluru South Taluk, Bengaluru Urban District (1-37 Acres)<br><table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 12°52.897'</td> <td>E 77°23.560'</td> </tr> <tr> <td>N 12°52.858'</td> <td>E 77°23.558'</td> </tr> <tr> <td>N 12°52.871'</td> <td>E 77°23.556'</td> </tr> <tr> <td>N 12°52.862'</td> <td>E 77°23.494'</td> </tr> <tr> <td>N 12°52.896'</td> <td>E 77°23.495'</td> </tr> <tr> <td>N 12°52.893'</td> <td>E 77°23.533'</td> </tr> <tr> <td>N 12°52.898'</td> <td>E 77°23.533'</td> </tr> </tbody> </table> | Latitude | Longitude | N 12°52.897' | E 77°23.560' | N 12°52.858' | E 77°23.558' | N 12°52.871' | E 77°23.556' | N 12°52.862' | E 77°23.494' | N 12°52.896' | E 77°23.495' | N 12°52.893' | E 77°23.533' | N 12°52.898' | E 77°23.533' |
| Latitude     | Longitude                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| N 12°52.897' | E 77°23.560'                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| N 12°52.858' | E 77°23.558'                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| N 12°52.871' | E 77°23.556'                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| N 12°52.862' | E 77°23.494'                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| N 12°52.896' | E 77°23.495'                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| N 12°52.893' | E 77°23.533'                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| N 12°52.898' | E 77°23.533'                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 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                                                                                                                                                                                                            | 1-37 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 7            | Annual Production (Metric Ton / Cum) Per Annum                                                                                                                                                                           | 1,10,460Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 8            | Project Cost (Rs. In Crores)                                                                                                                                                                                             | Rs. 0.30 Crores (Rs.30 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 9            | Proved Quantity of mine/ Quarry. Cu.m / Ton                                                                                                                                                                              | 5,98,851Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 10           | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                                                                                | 1,04,937 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 11           | CER Activities: M/s Adarsha Granite Stone Crushers, have earmarked CRR, which is 2% of the capital investment, to take-up Sanitation, Solid Waste Management etc. in the nearby Dommehalli Village (Open for discussion) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 12           | RMP Budget                                                                                                                                                                                                               | Rs. 23.00 lakhs (Capital Cost) & Rs. 3.85 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 13           | Forest NOC                                                                                                                                                                                                               | 12.09.2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 14           | Quarry plan                                                                                                                                                                                                              | 09.04.2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 15           | Cluster certificate                                                                                                                                                                                                      | 15.07.2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 16           | Notification                                                                                                                                                                                                             | 27.08.2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 17           | Revenue NoC                                                                                                                                                                                                              | 21.05.2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| 18           | PH                                                                                                                                                                                                                       | 17.04.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |

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The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

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 fresh land and due to the vehicular movement in the adjacent lease areas, proposed the area appears to be disturbed and emphasized that no mining has been carried out by the Proponent and hence justified that the proposed project does not attract violation. The Committee noted the clarification.

The proposal is for building stone quarry as the area considered for cluster is more than 5Ha, the proposal is categorized as B1 for which SEIAA had issued ToR on 17.11.2021 and public hearing was conducted on 17.04.2023, where opinions/requests of eight people had been recorded in public hearing report.

There is an existing cart track road to a length of 1140 meters connecting 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 leading to the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation and to comply with the request of public expressed during public hearing, to 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 5,98,851 Tons (including waste) and estimated the life of the quarry 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 1,10,460 Tonnes/annum (including waste), with following consideration,

1. Proponent agreed to asphalt the approach road to the quarry and road connecting the crusher as per IRC norms.
2. To grow trees all along the approach road during the first year of operation
3. Proponent agreed to take precautionary measures towards health.
4. Proponent agreed to comply with the request of public, expressed during public hearing.
5. Proponent agreed to carry out regular health checkup for the workers in the near by Hospital.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

- 1. If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
- 2. Safety measures proposed shall be submitted.*
- 3. A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

- 1. The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
- 2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*
- 3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.*
- 4. Dust suppression measures have to be strictly followed.*
- 5. The PP shall maintain and upkeep the approach road so as to minimize dust pollution.*
- 6. The PP shall grow trees all along the approach road & buffer zone during the first year of operation*
- 7. The PP shall take precautionary measures towards hilla.*
- 8. The PP shall comply with the request of public, expressed during public hearing.*
- 9. The PP shall carry out regular health checkup for the workers in the near by Hospital.*

**248.1.11. Building Stone Quarry Project at Donnenahalli Village, Bengaluru South Taluk, Bengaluru Urban District (2-00 Acres) by M/s. Adarsha Granites Stone Crushers - Online Proposal No.SIA/KA/MIN/450727/2023 (SEIAA 356 MIN 2021)**

M/s. Adarsha Granites Stone Crushers have applied for Environmental clearance from SEIAA for Building Stone Quarry Project at Sy.No.26 of Donnenahalli Village, Bengaluru South Taluk, Bengaluru Urban District (2-00 Acres)



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Details of the project are as follows:

| Sl.No        | PARTICULARS                                                                                                                                                                                                                       | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |              |              |              |              |              |              |              |              |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1            | Name & Address of the Projects Proponent                                                                                                                                                                                          | M/s. Adarsha Granites Stone Crushers                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |           |              |              |              |              |              |              |              |              |
| 2            | Name & Location of the Project                                                                                                                                                                                                    | Building Stone Quarry Project at Sy.No.26 of Donnerahalli Village, Bengaluru South Taluk, Bengaluru Urban District (2-00 Acres)<br><table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 12°53.081'</td> <td>E 77°23.565'</td> </tr> <tr> <td>N 12°52.995'</td> <td>E 77°23.581'</td> </tr> <tr> <td>N 12°52.989'</td> <td>E 77°23.552'</td> </tr> <tr> <td>N 12°53.076'</td> <td>E 77°23.537'</td> </tr> </tbody> </table> | Latitude | Longitude | N 12°53.081' | E 77°23.565' | N 12°52.995' | E 77°23.581' | N 12°52.989' | E 77°23.552' | N 12°53.076' | E 77°23.537' |
| Latitude     | Longitude                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |              |              |              |              |              |              |              |              |
| N 12°53.081' | E 77°23.565'                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |              |              |              |              |              |              |              |              |
| N 12°52.995' | E 77°23.581'                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |              |              |              |              |              |              |              |              |
| N 12°52.989' | E 77°23.552'                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |              |              |              |              |              |              |              |              |
| N 12°53.076' | E 77°23.537'                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |              |              |              |              |              |              |              |              |
| 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                                                                                                                                                                                                                     | 2-00 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |              |              |              |              |              |              |              |              |
| 7            | Annual Production (Metric Ton / Cum) Per Annum                                                                                                                                                                                    | 1,13,616 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |              |              |              |              |              |              |              |              |
| 8            | Project Cost (Rs. In Crores)                                                                                                                                                                                                      | Rs. 0.30 Crores (Rs.30 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |           |              |              |              |              |              |              |              |              |
| 9            | Proved Quantity of mine/ Quarry-Cu.m / Ton                                                                                                                                                                                        | 5,98,851Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |              |              |              |              |              |              |              |              |
| 10           | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                                                                                         | 1,07,935 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |              |              |              |              |              |              |              |              |
| 11           | CER Activites: M/s Adarsha Granite Stone Crushers, have earmarked towards CER, which is 2% of the capital investment, to take-up Sanitation, Solid Waste Managament etc. in the nearby Donnerahalli Village (Open for discussion) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |              |              |              |              |              |              |              |              |
| 12           | EMP Budget                                                                                                                                                                                                                        | Rs. 23.80 lakhs (Capital Cost) & Rs. 3.90 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                                                                                             |          |           |              |              |              |              |              |              |              |              |
| 13           | Forest NOC                                                                                                                                                                                                                        | 12.09.2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |              |              |              |              |              |              |              |              |
| 14           | Quarry plan                                                                                                                                                                                                                       | 09.04.2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |              |              |              |              |              |              |              |              |
| 15           | Cluster certificate                                                                                                                                                                                                               | 15.07.2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |              |              |              |              |              |              |              |              |
| 16           | Notification                                                                                                                                                                                                                      | 27.08.2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |              |              |              |              |              |              |              |              |
| 17           | Revenue                                                                                                                                                                                                                           | 21.05.2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |              |              |              |              |              |              |              |              |
| 18           | PII                                                                                                                                                                                                                               | 17.04.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |              |              |              |              |              |              |              |              |



The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below.

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 fresh land and no mining has been carried out by Proponent and hence justified that the proposed project does not attract violation. The Committee noted the clarification.

The proposal is for building stone quarry as the area considered for cluster is more than 5Ha, the proposal is categorized as B1 and for which SEIAA had issued ToR on 17.11.2021 and public hearing was conducted on 17.04.2023, where opinions/requests of eight people had been recorded in public hearing report.

There is an existing cart track road to a length of 1140meters connecting 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 leading to the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation and to comply with the request of public expressed during public hearing, to 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 5,98,851 Tons (including waste) and estimated the life of the quarry 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 1,13,616 Tonns/annum (including waste), with following consideration,

1. Proponent agreed to asphalt the approach road to the quarry and road connecting the crusher as per IRC norms
2. To grow trees all along the approach road during the first year of operation
3. Proponent agreed to take precautionary measures towards halla.
4. Proponent agreed to comply with the request of public, expressed during public hearing.
5. Proponent agreed to carry out regular health checkup for the workers in the near by Hospital.

The Authority perused the proposal and took note of the recommendation of SEAC.

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*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

- 1. If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
- 2. Safety measures proposed shall be submitted.*
- 3. A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

- 1. The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
- 2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*
- 3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.*
- 4. Dust suppression measures have to be strictly followed.*
- 5. The PP shall maintain and upkeep the approach road so as to minimize dust pollution.*
- 6. The PP shall grow trees all along the approach road & buffer zone during the first year of operation.*
- 7. The PP shall comply with the request of public, expressed during public hearing.*
- 8. The PP shall take precautionary measures towards traffic.*
- 9. The PP shall carry out regular health checkup for the workers in the near by Hospital.*

**248.1.12 Moraba Building Stone Quarry (M-Sand) Project at Sy No. 233 of Moraba Village, Kudligi Taluk, Ballari District (15-00 Acres) by Sri Maresh M - Online Proposal No.SIA/KA/MIN/447054/2023 (SELAA 549 MIN 2021)**

Sri Maresh M have applied for Environmental clearance from SELAA for Moraba Building Stone Quarry (M-Sand) Project at Sy No. 233 of Moraba Village, Kudligi Taluk, Ballari District (15-00 Acres)



Details of the project are as follows:

| Sl.N<br>o       | PARTICULARS                                                                                                                                                   | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1               | Name & Address of the Projects Proponent                                                                                                                      | Sri Maresh M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 2               | Name & Location of the Project                                                                                                                                | Moraba Building Stone Quarry (M-Sand) Project at Sy No. 233 of Moraba Village, Kudligi Taluk, Ballari District (15-00 Acres)<br><table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>14°50'29.7989"N</td> <td>76°23'05.9348"E</td> </tr> <tr> <td>14°50'21.2726"N</td> <td>76°23'11.5732"E</td> </tr> <tr> <td>14°50'17.7866"N</td> <td>76°23'04.2630"E</td> </tr> <tr> <td>14°50'26.5835"N</td> <td>76°23'01.2989"E</td> </tr> </tbody> </table> | Latitude | Longitude | 14°50'29.7989"N | 76°23'05.9348"E | 14°50'21.2726"N | 76°23'11.5732"E | 14°50'17.7866"N | 76°23'04.2630"E | 14°50'26.5835"N | 76°23'01.2989"E |
| Latitude        | Longitude                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 14°50'29.7989"N | 76°23'05.9348"E                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 14°50'21.2726"N | 76°23'11.5732"E                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 14°50'17.7866"N | 76°23'04.2630"E                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 14°50'26.5835"N | 76°23'01.2989"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                                                                                                                                                 | 15-00 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 7               | Annual Production (Metric Ton / Cum) Per Annum                                                                                                                | 3,67,347 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                                                                                                                   | 54,93,753Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 10              | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                     | 3,60,000 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 11              | CER Activities: To grow additional plantation of 1500 trees along the approach road and to provide infrastructure facilities to nearby Govt. school/hospital. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 12              | EMP Budget                                                                                                                                                    | Rs. 15.10 lakhs (Capital Cost) & Rs. 6.92 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 13              | Forest NOC                                                                                                                                                    | 12.02.2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 14              | Quarry plan                                                                                                                                                   | 19.08.2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 15              | Cluster certificate                                                                                                                                           | 04.09.2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 16              | Notification                                                                                                                                                  | 30.07.2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 17              | Revenue                                                                                                                                                       | 01.02.2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 18              | PH                                                                                                                                                            | 27.07.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                 |                 |                 |                 |                 |                 |                 |



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The subject was discussed in the SRAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The Committee initially noted the complaint received through email (samskruthid2016@gmail.com) on 15<sup>th</sup> November 2023 for the present proposal and at the time of appraisal sought clarification for the following observations from the project Proponent and Consultant,

1. *There is a Temple (Religious monument) inside the applied lease where daily pooja is performed by the localities and this temple is marked on the topsheet by Survey of India, Which is not reflected in said document.*

Reply : The Proponent informed the Committee that DMG after obtaining NoC from Revenue, Forest department they had notified the proposed area noting that there are no temple inside the applied area.

2. *Lessee covered the temple intentionally by red colour in key plan, so that the temple cannot be observed.*

Reply: Proponent informed the Committee that they key plan was prepared by DMG and there was no intention to hide and submitted the google images of the proposed area informing that there is no temple in the applied area.

2. *Lease sketch is not signed by the Dept. It is signed by a consultant and lessee.*

Reply: Proponent informed the Committee that Deputy Director of Mines and Geology had signed the lease sketch and the same was uploaded.

The Committee noted the clarification given by the Proponent and appraised the project.

The Committee during appraisal 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 removed some material prior notification to the Proponent and no mining has been carried out by Proponent and hence justified that the proposed project does not attract violation. The Committee noted the clarification.

The proposal is for building stone quarry as the area considered for cluster is more than 5Ha, the proposal is categorized as B1 and for which SEIAA had issued ToR on 20.04.2022 and public hearing was conducted on 27.07.2023, where opinions/requests of fifty two people had been recorded in public hearing report.

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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 mining operation should be commenced after asphaltting the approach road to the quarry and road leading to the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation and to comply with the request of public expressed during public hearing, to 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 54,93,753Tons (including waste) and estimated the life of the quarry to be 15 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 3,67,347 Tons/annum (including waste), with following consideration,

1. Proponent agreed to asphalt the approach road to the quarry and road connecting the crusher as per IRC norms.
2. To grow trees all along the approach road during the first year of operation
3. Proponent agreed to take precautionary measures towards hilla.
4. Proponent agreed to comply with the request of public, expressed during public hearing.
5. Proponent agreed to carry out regular health checkup for the workers in the near by Hospital.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*



**Additional Conditions:**

1. The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.
2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall maintain and upkeep the approach road so as to minimize dust pollution.
6. The PP shall grow trees all along the approach road & buffer zone during the first year of operation
7. The PP shall comply with the request of public, expressed during public hearing.
8. The PP shall take precautionary measures towards health.
9. The PP shall carry out regular health checkup for the workers in the near by Hospital.

**248.1.13. Bhomman Iron Ore Mine Project at MI. No. 0014 of Holakere Range of Niruthadi Reserved Forest, Bedarabommanahalli Hirekandavadi and other Villages, Chitradurga & Holakere Taluk, Chitradurga District (93.6 Ha) by M/s. JSW Steel Limited - Online Proposal No.SLA/KA/MIN/447559/2023 (SELAA 197 MIN 2023)**

M/s. JSW Steel Ltd have applied for Environmental clearance from SEIAA for BHOMMAN IRON ORE MINE at Holakere Range of Niruthadi Reserved Forest, Bedarabommanahalli, Hirekandavadi and other Villages, Chitradurga & Holakere Taluk, Chitradurga District.

Details of the project are as follows:

| Sl. NO | PARTICULARS                             | INFORMATION                                                                                                   |
|--------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Project Proponent | M/s. JSW Steel Ltd.<br>JSW Mining office, Vijayanagar Works:P.O.<br>Vidyanagar-583275Dist. Ballari, Karnataka |
| 2      | Name & Location of the Project          | BHOMMAN IRON ORE MINE at Holakere Range of Niruthadi Reserved Forest, Bedarabommanahalli.                     |



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|        |                                                                         | Hirekandavadi and other Villages, Chitradurga & Holalkere Taluk, Chitradurga District                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|--------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|------------------|-------|-----------------|-----------------|-------|-----------------|-----------------|-------|-----------------|-----------------|-------|-----------------|-----------------|-------|-----------------|-----------------|-------|-----------------|-----------------|-------|-----------------|-----------------|-------|-----------------|-----------------|-------|-----------------|-----------------|--------|-----------------|-----------------|--------|-----------------|-----------------|--------|-----------------|-----------------|--------|-----------------|-----------------|--------|-----------------|-----------------|--------|-----------------|-----------------|
| 3      | Co-ordinates                                                            | <table border="1"> <thead> <tr> <th>Pillar No.</th> <th>Pillar Latitude</th> <th>Pillar Longitude</th> </tr> </thead> <tbody> <tr> <td>LBS-1</td> <td>N14° 12' 51.10"</td> <td>E76° 13' 41.61'</td> </tr> <tr> <td>LBS-2</td> <td>N14° 12' 52.84"</td> <td>E76° 13' 36.54"</td> </tr> <tr> <td>LBS-3</td> <td>N14° 12' 49.74"</td> <td>E76° 13' 34.45"</td> </tr> <tr> <td>LBS-4</td> <td>N14° 12' 52.62"</td> <td>E76° 13' 25.71"</td> </tr> <tr> <td>LBS-5</td> <td>N14° 12' 57.74"</td> <td>E76° 13' 24.02"</td> </tr> <tr> <td>LBS-6</td> <td>N14° 13' 01.51"</td> <td>E76° 13' 11.92"</td> </tr> <tr> <td>LBS-7</td> <td>N14° 12' 42.14"</td> <td>E76° 13' 03.84"</td> </tr> <tr> <td>LBS-8</td> <td>N14° 12' 34.44"</td> <td>E76° 13' 06.41"</td> </tr> <tr> <td>LBS-9</td> <td>N14° 12' 26.59"</td> <td>E76° 13' 10.27"</td> </tr> <tr> <td>LBS-10</td> <td>N14° 12' 21.53"</td> <td>E76° 13' 16.61"</td> </tr> <tr> <td>LBS-11</td> <td>N14° 12' 20.65"</td> <td>E76° 13' 19.02"</td> </tr> <tr> <td>LBS-12</td> <td>N14° 12' 21.47"</td> <td>E76° 13' 20.56"</td> </tr> <tr> <td>LBS-13</td> <td>N14° 12' 20.17"</td> <td>E76° 13' 24.24"</td> </tr> <tr> <td>LBS-14</td> <td>N14° 12' 21.89"</td> <td>E76° 13' 24.88"</td> </tr> <tr> <td>LBS-15</td> <td>N14° 12' 22.48"</td> <td>E76° 13' 33.19"</td> </tr> </tbody> </table> | Pillar No.      | Pillar Latitude  | Pillar Longitude | LBS-1 | N14° 12' 51.10" | E76° 13' 41.61' | LBS-2 | N14° 12' 52.84" | E76° 13' 36.54" | LBS-3 | N14° 12' 49.74" | E76° 13' 34.45" | LBS-4 | N14° 12' 52.62" | E76° 13' 25.71" | LBS-5 | N14° 12' 57.74" | E76° 13' 24.02" | LBS-6 | N14° 13' 01.51" | E76° 13' 11.92" | LBS-7 | N14° 12' 42.14" | E76° 13' 03.84" | LBS-8 | N14° 12' 34.44" | E76° 13' 06.41" | LBS-9 | N14° 12' 26.59" | E76° 13' 10.27" | LBS-10 | N14° 12' 21.53" | E76° 13' 16.61" | LBS-11 | N14° 12' 20.65" | E76° 13' 19.02" | LBS-12 | N14° 12' 21.47" | E76° 13' 20.56" | LBS-13 | N14° 12' 20.17" | E76° 13' 24.24" | LBS-14 | N14° 12' 21.89" | E76° 13' 24.88" | LBS-15 | N14° 12' 22.48" | E76° 13' 33.19" |
|        |                                                                         | Pillar No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pillar Latitude | Pillar Longitude |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N14° 12' 51.10" | E76° 13' 41.61'  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N14° 12' 52.84" | E76° 13' 36.54"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N14° 12' 49.74" | E76° 13' 34.45"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N14° 12' 52.62" | E76° 13' 25.71"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N14° 12' 57.74" | E76° 13' 24.02"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N14° 13' 01.51" | E76° 13' 11.92"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N14° 12' 42.14" | E76° 13' 03.84"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N14° 12' 34.44" | E76° 13' 06.41"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N14° 12' 26.59" | E76° 13' 10.27"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N14° 12' 21.53" | E76° 13' 16.61"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N14° 12' 20.65" | E76° 13' 19.02"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N14° 12' 21.47" | E76° 13' 20.56"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
|        |                                                                         | LBS-13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N14° 12' 20.17" | E76° 13' 24.24"  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| LBS-14 | N14° 12' 21.89"                                                         | E76° 13' 24.88"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| LBS-15 | N14° 12' 22.48"                                                         | E76° 13' 33.19"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| 4      | Type of Mineral                                                         | Iron Ore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| 5      | New / expansion / modification / renewal                                | Expansion: 1.0 to 4.0 MTPA<br>with total excavation of 4.12 MTPA<br>(IRON ORE: 4.0 MTPA + OB/IB/SB: 0.12 MTPA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| 6      | Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other] | Forest land                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| 7      | Area in Ha                                                              | 93.60 Ha.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| 8      | Annual production (metric ton /Cum) per annum                           | 4.0 Million Tonnes Per Annum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| 9      | Project Cost (Rs. In Crores)                                            | Rs. 2.5 Crores                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| 10     | Proved quantity of mine/quarry-Cu.m/Tons                                | 80.03 Million Metric Tonnes (Mineable Reserves)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| 11     | Permitted quantity per annum- Cu.m/Ton                                  | 4.0 MTPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| 12     | Approach Road                                                           | 2.5kms from mine to connecting main road (SI I-48).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |
| 13     | Five years plan period                                                  | Area -46.39 Ha (Area Under Mining)<br>Top RL- 955.5 mRL<br>Bottom RL - 844 mRL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                  |                  |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |       |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |        |                 |                 |

| 14                         | Conceptual stage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Area -63.88 Ha (Area Under Mining)<br>Top RL- 970mRL<br>Bottom RL-712 mRL   |                |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|-------------|--------------|----------------|---|-----------------------------------------------|---|------|---|--------------------------|---|-----|---|---------------|---|-----|---|-----------------------------------------------------------------------------------------|---|-----|---|------------------------------------------------------------------------------------------|----|---|---|--------------------------------------------------|---|-----|---|--------------------------------|---|-----|---|--------------------|-----|---|---|-------------------|----|---|----|---------------------|---|----|----------------------------|--|-------------|-------------|
| 15                         | <b>CEK Activities:</b> <ul style="list-style-type: none"> <li>▪ Swachhata Pakhwada &amp; Other Awareness Activities</li> <li>▪ Clearing of Fire Line &amp; Watch Ward (Payment to Forest Dept.)</li> <li>▪ Solar Wi-Fi Tower (maintenance)</li> <li>▪ Afforestation/Greenbelt Development</li> <li>▪ Environmental Monitoring</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |                |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 16                         | <b>EMP Budget is Rs.90.0 Lakhs</b><br><b>Proposed CSR Budget for next 5 years is Rs.502 Lakhs</b> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>S. No</th> <th>Description</th> <th>Capital Cost</th> <th>Recurring cost</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Air Pollution Control Measures (Tanker water)</td> <td>-</td> <td>50.0</td> </tr> <tr> <td>2</td> <td>Environmental Monitoring</td> <td>-</td> <td>9.9</td> </tr> <tr> <td>3</td> <td>Afforestation</td> <td>-</td> <td>2.0</td> </tr> <tr> <td>4</td> <td>Maintenance of engineering structures as per approved Reclamation &amp; Rehabilitation Plan</td> <td>-</td> <td>5.0</td> </tr> <tr> <td>5</td> <td>Construction of engineering structures as per approved Reclamation &amp; Rehabilitation Plan</td> <td>10</td> <td>-</td> </tr> <tr> <td>6</td> <td>Clearing of Fire Line &amp; deployment of Watch Ward</td> <td>-</td> <td>5.0</td> </tr> <tr> <td>7</td> <td>Solar Wifi Tower (maintenance)</td> <td>-</td> <td>1.0</td> </tr> <tr> <td>8</td> <td>Ground Water Study</td> <td>2.0</td> <td>-</td> </tr> <tr> <td>9</td> <td>Conservation Plan</td> <td>78</td> <td>-</td> </tr> <tr> <td>10</td> <td>Occupational Health</td> <td>-</td> <td>10</td> </tr> <tr> <td colspan="2"><b>TOTAL (Rs in Lakhs)</b></td> <td><b>90.0</b></td> <td><b>82.9</b></td> </tr> </tbody> </table> |                                                                             | S. No          | Description | Capital Cost | Recurring cost | 1 | Air Pollution Control Measures (Tanker water) | - | 50.0 | 2 | Environmental Monitoring | - | 9.9 | 3 | Afforestation | - | 2.0 | 4 | Maintenance of engineering structures as per approved Reclamation & Rehabilitation Plan | - | 5.0 | 5 | Construction of engineering structures as per approved Reclamation & Rehabilitation Plan | 10 | - | 6 | Clearing of Fire Line & deployment of Watch Ward | - | 5.0 | 7 | Solar Wifi Tower (maintenance) | - | 1.0 | 8 | Ground Water Study | 2.0 | - | 9 | Conservation Plan | 78 | - | 10 | Occupational Health | - | 10 | <b>TOTAL (Rs in Lakhs)</b> |  | <b>90.0</b> | <b>82.9</b> |
| S. No                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Capital Cost                                                                | Recurring cost |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 1                          | Air Pollution Control Measures (Tanker water)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                           | 50.0           |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 2                          | Environmental Monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                                           | 9.9            |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 3                          | Afforestation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                           | 2.0            |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 4                          | Maintenance of engineering structures as per approved Reclamation & Rehabilitation Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                           | 5.0            |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 5                          | Construction of engineering structures as per approved Reclamation & Rehabilitation Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10                                                                          | -              |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 6                          | Clearing of Fire Line & deployment of Watch Ward                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                           | 5.0            |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 7                          | Solar Wifi Tower (maintenance)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                           | 1.0            |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 8                          | Ground Water Study                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.0                                                                         | -              |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 9                          | Conservation Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 78                                                                          | -              |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 10                         | Occupational Health                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                           | 10             |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| <b>TOTAL (Rs in Lakhs)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>90.0</b>                                                                 | <b>82.9</b>    |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 18                         | CCR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 07.02.2023 (certified compliance report issued by Regional Office, MoEF&CC) |                |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 19                         | Earlier E.C by SEIAA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 26.07.2022                                                                  |                |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 20                         | CFO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 05.04.2021                                                                  |                |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 21                         | Forest Clearance Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 21.11.2016                                                                  |                |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 22                         | IBM Approval Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 29.03.2023                                                                  |                |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 23                         | R&R Plan Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 19.09.2018                                                                  |                |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |
| 24                         | Public hearing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 20.09.2023                                                                  |                |             |              |                |   |                                               |   |      |   |                          |   |     |   |               |   |     |   |                                                                                         |   |     |   |                                                                                          |    |   |   |                                                  |   |     |   |                                |   |     |   |                    |     |   |   |                   |    |   |    |                     |   |    |                            |  |             |             |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for expansion of EC for Iron Ore Mine of JSW from 1.0MTPA to 4.0MTPA, for which EC was issued earlier by SEIAA on 26.07.2022 and ToR was issued by SEIAA on 06.05.2023. The Proponent informed the Committee that lease was granted with ML No. 0014. Initially Vesting Order was issued by Govt. of Karnataka dated 03.06.2022.



Further with regard to the Forest Clearance, the Proponent informed that as per Vesting Order issued on 03.06.2022, the new lessee can continue mining operations on the land till expiry (i.e 2070) or termination of mining lease granted to it, as was being carried out by the previous lessee, on the basis of which the Proponent has applied for transfer of Forest Clearance.

This is a proposal for 4.0MTPA iron ore production in a total area of 93.60Ha. The Proponent has submitted certified compliance to the earlier E.C. conditions from Regional Office, MoRF&CC on 07.02.2023, in favor of M/s JSW Steel Limited.

Public hearing was conducted on 20.09.2023. 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. The Proponent also submitted an undertaking to comply with approved Reclamation and Rehabilitation (R&R) Plan and to instal Pipe Conveyor Belt from Mine Head to the nearest Railway Siding and setup Beneficiation Plant.

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 80.03 MTPA as per the approved Mining plan, the Committee estimated the life of the mine to be coterminous with a lease period and decided to recommend the proposal to SEIAA for issue of Environment Clearance for annual production of 4.0 MTPA, with following consideration,

1. Proponent agreed to install Pipe Conveyor Belt from Mine Head to the nearest Railway Siding within three years time by obtaining all necessary clearances.
2. Proponent agreed to take precautionary measures towards halla.
3. Proponent agreed to comply with the request of public, expressed during public hearing.
4. To comply with the observations in CCR issued by MoRF&CC.
5. Proponent agreed to carry out regular health checkup for the workers in the near by Hospital.

The Authority perused the proposal and took note of the recommendation of SEAC.

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*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wildlife Warden (CWLW) along with his recommendation, also a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished. Further, PP shall upgrade the nearest PHC and provide Ambulance to nearby Taluk Hospital/Health Care Center. PP shall also provide vehicles to Regional Director, Dept. of Environment Dakshina Kannada, Udupi and Karwar.*

**Additional Conditions:**

1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
2. *The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*
3. *The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.*
4. *Dust suppression measures have to be strictly followed.*
5. *The PP shall maintain and upkeep the approach road so as to minimize dust pollution.*
6. *The PP shall grow trees all along the approach road as buffer zone during the first year of operation*
7. *The PP shall take precautionary measures towards hilla.*
8. *The PP shall comply with the opinion of public, expressed during public hearing.*
9. *The PP shall handle waste generated by obtaining necessary permission.*
10. *The PP shall comply with the observations in CCR issued by MoEF&CC*
11. *The PP shall carry out regular health checkup for the workers in the near by Hospital.*
12. *The PP shall asphalt connecting Road,*



**248.1.14. Sand Block Project - Block No.3 in Thunga River Bed at Manduvalli Village, Thirthahalli Taluk, Shivamogga District (12-00 Acres) by Sri Rapuri Subramanyam - Online Proposal No.SLA/KA/MIN/450946/2023 (SEIAA 80 MIN 2020)**

Sri Rapuri Subramanyam have applied for Environmental clearance from SEIAA for River Sand Block Project - Block No.3 in Thunga River Bed at Sy.No.146 of Manduvalli Village, Thirthahalli Taluk, Shivamogga District (12-00 Acres)

Details of the project are as follows:

| Sl.No           | PARTICULARS                                                                                                                                                       | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1               | Name & Address of the Projects Proponent                                                                                                                          | Sri Rapuri Subramanyam                                                                                                                                                                                                                                                                                                                                            |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 2               | Name & Location of the Project                                                                                                                                    | River Sand Block Project - Block No.3 in Thunga River Bed at Sy.No.146 of Manduvalli Village, Thirthahalli Taluk, Shivamogga District (12-00 Acres)                                                                                                                                                                                                               |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
|                 |                                                                                                                                                                   | <table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>13° 42' 44.52"N</td> <td>75° 22' 09.23"E</td> </tr> <tr> <td>13° 42' 38.78"N</td> <td>75° 22' 22.68"E</td> </tr> <tr> <td>13° 42' 42.57"N</td> <td>75° 22' 24.70"E</td> </tr> <tr> <td>13° 42' 47.93"N</td> <td>75° 22' 11.11"E</td> </tr> </tbody> </table> | Latitude | Longitude | 13° 42' 44.52"N | 75° 22' 09.23"E | 13° 42' 38.78"N | 75° 22' 22.68"E | 13° 42' 42.57"N | 75° 22' 24.70"E | 13° 42' 47.93"N | 75° 22' 11.11"E |
| Latitude        | Longitude                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 13° 42' 44.52"N | 75° 22' 09.23"E                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 13° 42' 38.78"N | 75° 22' 22.68"E                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 13° 42' 42.57"N | 75° 22' 24.70"E                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 13° 42' 47.93"N | 75° 22' 11.11"E                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 3               | Type Of Mineral                                                                                                                                                   | River Sand Quarry                                                                                                                                                                                                                                                                                                                                                 |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 4               | New / Expansion / Modification / Renewal                                                                                                                          | New                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 5               | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                                          | Government                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 6               | Area in Acres                                                                                                                                                     | 12-00 Acres                                                                                                                                                                                                                                                                                                                                                       |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 7               | Annual Production (Metric Ton / Cum) Per Annum                                                                                                                    | 71,400 Tonns/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                                                                                                                       | 71,400 Tones (including waste)                                                                                                                                                                                                                                                                                                                                    |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 10              | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                         | 64,260 Tonns/annum (excluding waste)                                                                                                                                                                                                                                                                                                                              |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 11              | CER Activities: To grow 1500trees all along the approach road and in buffer zones and to provided infrastructure facilities to the nearby Govt School or Hospital |                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 12              | EMP Budget                                                                                                                                                        | Rs.9.50 Lakhs (Capital Cost) & Rs.3.10 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                     |          |           |                 |                 |                 |                 |                 |                 |                 |                 |

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|----|---------------------|------------|
| 13 | Forest NOC          | 06.05.2022 |
| 13 | Revenue             | 10.10.2022 |
| 14 | Cluster certificate | 09.12.2019 |
| 15 | Irrigation          | 22.08.2022 |
| 16 | DTP                 | 10.01.2017 |
| 17 | App. Quarry Plan    | 10.08.2022 |
| 18 | PH                  | 08.08.2023 |
| 19 | JIR                 | 3 mtr      |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for River Bed Sand Mining. As the area considered for cluster is more than 51 ha, the proposal was categorized as B1, for which SEIAA had issued ToR on 28.08.2020 and public hearing was conducted on 08.08.2023, where opinions/requests of ten people had been recorded in public hearing report. The Committee sought clarification from Proponent regarding method of mining proposed in compliance to Hon'ble NGT (SZ) Directions in O.A 194/2020 dated 15.09.2022 i.e. not to use any machinery for excavation of sand, for which the Proponent informed that they have proposed manual method of mining.

There is an existing cart track road to a length of 450 meters connecting the lease area to the all-weather black topped road and the Committee informed that the mining operation should be commenced after concreting the approach road as per standard norms and to grow trees all along the approach road and in the banks of the river, to strictly implement bund protection works, dust mitigation measures and not to use any machinery for excavation of sand as per Hon'ble NGT (SZ) Directions in O.A 194/2020 dated 15.09.2022 and also not to carry out in-stream mining, to which the Proponent agreed. Proponent informed the Committee that they had obtained DMC approved replenishment report for the proposed sand quarry considering the catchment area and rainfall details. Further the Committee sought clarification regarding dry weather flow, for which the Proponent submitted photos of March 2023 showing availability of sand and dry weather flow and informed the Committee that mining operations would be carried out only in dry weather conditions.

The Proponent has collected baseline data of air, water, soil and noise and 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. In the proposed project, the Proponent agreed to follow the conditions stipulated in sustainable sand mining guidelines 2016 and Enforcement & Monitoring, guidelines 2020.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable

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reserve of 71,400 tons per year (including waste) and estimated the life of the quarry to be 5 years with due replenishment every year.

The Committee after discussion decided to recommend the proposal to SELAA for issue of Environmental Clearance for an annual production of 71,400 tons per year (including waste) after due replenishment every year, with following consideration,

1. Proponent agreed to concrete the approach road to the quarry as per standard norms
2. Proponent agreed to comply with the request of public, expressed during public hearing.
3. To implement mine closure plan effectively after mining operation
4. To grow trees all along the approach road during the first year of operation.
5. Mining should be carried out after due replenishment every year
6. Proponent agreed to abide by the Sustainable sand mining guidelines 2016 and Enforcement & Monitoring Guidelines 2020
7. To comply with the Hon'ble NGT Directions in O.A 194/2020 dated 15.09.2022 and for any violation against the Directions of Hon'ble NGT Directions in O A 194/2020 dated 15.09 2022, the Proponent would be held responsible.
8. To follow Labour laws and Mines Act in the proposed project.
9. To carry out bank stabilization works.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

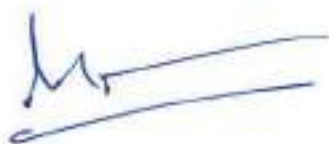
1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*

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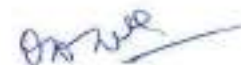
2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall carry out bathymetric study atleast once during the lease period.
6. The PP shall maintain and upkeep the approach road so as to minimize dust pollution.
7. The PP shall grow trees all along the approach road during the first year of operation.
8. The PP shall utilize the permission as per the Sand policy of the CoK Notification No. CI 343 MMN 2019 (Part 7) dated 01.12.2021.
9. The PP shall implement mine closure plan effectively after mining operation
10. The PP shall grow trees all along the approach road during the first year of operation.
11. Mining should be carried out after due replenishment every year
12. The PP shall abide by the Sustainable sand mining guidelines 2016 and Enforcement & Monitoring Guidelines 2020
13. The PP shall comply with the Hon'ble NGT Directions in O.A 194/2020 dated 15.09.2022 and for any violation against the Directions of Hon'ble NGT Directions in O.A 194/2020 dated 15.09.2022, the Proponent would be held responsible.
14. The PP shall follow Labour laws and Mines Act in the proposed project.
15. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
16. The proponent shall stabilize the river bank with waste materials like pebbles and planting the khus grass and suitable plant species.

**248.1.15. Building Stone Quarry Project at Kudligi Village, Kudligi Taluk, Vijayanagara District (5-25 Acres) by Sri Pruthviraj B - Online Proposal No.SIA/KA/MIN/439303/2023 (SEIAA 364 MIN 2023)**

Sri Pruthviraj B have applied for Environmental clearance from SEIAA for Building Stone Quarry Project at Sy. No. 406 of Kudligi Village, Kudligi Taluk, Vijayanagara District (5-25 Acres)



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Details of the project are as follows:

| Sl.No              | PARTICULARS                                                                                                  | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------|--------------------|--------------------------------------|
| 1                  | Name & Address of the Projects Proponent                                                                     | Sri Pruthviraj B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 2                  | Name & Location of the Project                                                                               | Building Stone Quarry Project at Sy. No. 406 of Kudligi Village, Kudligi Taluk, Vijayanagara District (5-25 Acres)<br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 14° 55' 38.4758"</td> <td>E 76° 22' 43.4251"</td> </tr> <tr> <td>N 14° 55' 37.9831"</td> <td>E 76° 22' 45.9946"</td> </tr> <tr> <td>N 14° 55' 33.1808"</td> <td>E 76° 22' 46.1846"</td> </tr> <tr> <td>N 14° 55' 32.4681"</td> <td>E 76° 22' 41.0171"</td> </tr> <tr> <td>N 14° 55' 36.5157"</td> <td>E 76° 22' 41.8560"</td> </tr> </tbody> </table>                                                                                                                                        | Latitude | Longitude                                    | N 14° 55' 38.4758" | E 76° 22' 43.4251"                                                                                           | N 14° 55' 37.9831" | E 76° 22' 45.9946"                                         | N 14° 55' 33.1808" | E 76° 22' 46.1846"                                                             | N 14° 55' 32.4681" | E 76° 22' 41.0171"                                                                                  | N 14° 55' 36.5157" | E 76° 22' 41.8560"                   |
| Latitude           | Longitude                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| N 14° 55' 38.4758" | E 76° 22' 43.4251"                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| N 14° 55' 37.9831" | E 76° 22' 45.9946"                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| N 14° 55' 33.1808" | E 76° 22' 46.1846"                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| N 14° 55' 32.4681" | E 76° 22' 41.0171"                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| N 14° 55' 36.5157" | E 76° 22' 41.8560"                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 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                                                                                                | 5-25 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 7                  | Annual Production (Metric Ton / Cum) Per Annum                                                               | 71,429 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 8                  | Project Cost (Rs. In Crores)                                                                                 | Rs. 0.60 Crores (Rs.60 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 9                  | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                  | 14,67,979 Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 10                 | Permitted Quantity Per Annum - Cu.m / Ton                                                                    | 70,000 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 11                 | CER Activities:                                                                                              | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Year</th> <th>Corporate Environmental Responsibility (CER)</th> </tr> </thead> <tbody> <tr> <td>1st</td> <td>The proponent proposes to distribute nursery plants at Kalvalyapura Village &amp; Strengthening of approach road</td> </tr> <tr> <td>2nd</td> <td>Rain water harvesting pits to GHPS at Kalvalyapura village</td> </tr> <tr> <td>3rd</td> <td>Solar Power Panels in Government higher primary school at Kalvalyapura village</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>The Rejuvenation of Govindagiri Pond</td> </tr> </tbody> </table> | Year     | Corporate Environmental Responsibility (CER) | 1st                | The proponent proposes to distribute nursery plants at Kalvalyapura Village & Strengthening of approach road | 2nd                | Rain water harvesting pits to GHPS at Kalvalyapura village | 3rd                | Solar Power Panels in Government higher primary school at Kalvalyapura village | 4th                | Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages | 5th                | The Rejuvenation of Govindagiri Pond |
| Year               | Corporate Environmental Responsibility (CER)                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 1st                | The proponent proposes to distribute nursery plants at Kalvalyapura Village & Strengthening of approach road |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 2nd                | Rain water harvesting pits to GHPS at Kalvalyapura village                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 3rd                | Solar Power Panels in Government higher primary school at Kalvalyapura village                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 4th                | Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 5th                | The Rejuvenation of Govindagiri Pond                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 12                 | BMP Budget                                                                                                   | Rs. 12.08 lakhs (Capital Cost) & Rs. 8.60 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 13                 | Forest NOC                                                                                                   | 03.11.2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 14                 | Quarry plan                                                                                                  | 16.03.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |
| 15                 | uster certificate                                                                                            | 25.07.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                              |                    |                                                                                                              |                    |                                                            |                    |                                                                                |                    |                                                                                                     |                    |                                      |

Recd

|    |              |            |
|----|--------------|------------|
| 16 | Notification | 24.07.2023 |
| 17 | Revenue      | 18.08.2020 |
| 18 | DTF          | 03.06.2022 |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

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 old working are due to the earlier leases and after completion of lease period, the Government had auctioned the land and Proponent obtained land in auction and no mining has been carried out by Proponent and hence justified that the proposed project does not attract violation.

As per the cluster sketch there is no lease within 500mtr from the said lease and total area of the applied lease is 5-25 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 700meters connecting lease area to the all-weather black topped road. The Committee informed that the production should be commenced after asphalt the approach road to the quarry and the 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 14,67,979tones(including waste) and estimated the life of mine to be 21 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 71,429tones/Annum (including waste), with following consideration,

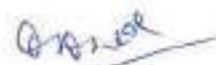
1. Proponent agreed to asphalt the approach road to the quarry & road connecting the crusher as per IRC norms.
2. To grow trees all along the approach road during the first year of operation.
3. Proponent agreed to carry out regular health check up for the workers in the near by Hospital.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*



Received





1. If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).
2. Safety measures proposed shall be submitted.
3. A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.

#### Additional Conditions:

1. The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.
2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall maintain and upkeep the approach road so as to minimise dust pollution.
6. The PP Shall grow trees all along the approach road during the first year of operation.
7. The PP Shall carry out regular health checkup for the workers in the near by Hospital.

#### **248.1.16. Building Stone Quarry Project at Hulavenahalli Village, Hosakote Taluk, Bangalore Rural District (2-00 Acres) by Smt. Bhanumathi - Online Proposal No.SIA/KR/MIN/449754/2023 (SEIAA 518 MIN 2023)**

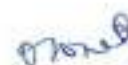
Smt. Bhanumathi have applied for Environmental clearance from SEIAA for Building Stone Quarry Project at Sy.No.107 of Hulavenahalli Village, Hosakote Taluk, Bangalore Rural District (2-00 Acres)

Details of the project are as follows:

| Sl.No | PARTICULARS                              | INFORMATION PROVIDED BY PP       |
|-------|------------------------------------------|----------------------------------|
| 1     | Name & Address of the Projects Proponent | Smt Bhanumathi                   |
| 2     | Name & Location of the Project           | Building Stone Quarry Project at |



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|                  |                                                                                                                                                        | Sy.No.107 of Huhvenahalli Village, Hosakote Taluk, Bangalore Rural District (2-00 Acres)                                                                                                                                                                                                                                                                                  |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                  |                                                                                                                                                        | <table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 13°07'30.7856"</td> <td>E 77°55'14.7171"</td> </tr> <tr> <td>N 13°07'30.8320"</td> <td>E 77°55'16.3609"</td> </tr> <tr> <td>N 13°07'34.8021"</td> <td>E 77°55'15.7743"</td> </tr> <tr> <td>N 13°07'34.8486"</td> <td>E 77°55'14.0342"</td> </tr> </tbody> </table> | Latitude | Longitude | N 13°07'30.7856" | E 77°55'14.7171" | N 13°07'30.8320" | E 77°55'16.3609" | N 13°07'34.8021" | E 77°55'15.7743" | N 13°07'34.8486" | E 77°55'14.0342" |
| Latitude         | Longitude                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                           |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| N 13°07'30.7856" | E 77°55'14.7171"                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                           |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| N 13°07'30.8320" | E 77°55'16.3609"                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                           |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| N 13°07'34.8021" | E 77°55'15.7743"                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                           |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| N 13°07'34.8486" | E 77°55'14.0342"                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                           |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 3                | Type Of Mineral                                                                                                                                        | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 4                | New / Expansion / Modification / Renewal                                                                                                               | New                                                                                                                                                                                                                                                                                                                                                                       |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 5                | Type of Land [Forest, Government Revenue, Gomial, Private / Patta, Other]                                                                              | Patta                                                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 6                | Area in Acres                                                                                                                                          | 2-00 Acres                                                                                                                                                                                                                                                                                                                                                                |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 7                | Annual Production (Metric Ton / Cum) Per Annum                                                                                                         | 12,041 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                     |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 8                | Project Cost (Rs. In Crores)                                                                                                                           | Rs. 0.25 Crores (Rs.25 Lakhs)                                                                                                                                                                                                                                                                                                                                             |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 9                | Proved Quantity of minc/ Quarry-Cu.m / Ton                                                                                                             | 7,36,615Tones (including waste)                                                                                                                                                                                                                                                                                                                                           |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 10               | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                              | 10,000 Tones / Annum (excluding waste)                                                                                                                                                                                                                                                                                                                                    |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 11               | CER Activities: Propose take up 300 No. of additional plantation on either side of the approach road from quarry location to Huhvenahalli Village Road |                                                                                                                                                                                                                                                                                                                                                                           |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 12               | EMP Budget                                                                                                                                             | Rs. 50 lakhs (Capital Cost) & Rs. 10 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                               |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 13               | Forest NOC                                                                                                                                             | 22.06.2023                                                                                                                                                                                                                                                                                                                                                                |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 14               | Quarry plan                                                                                                                                            | 16.10.2023                                                                                                                                                                                                                                                                                                                                                                |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 15               | Cluster certificate                                                                                                                                    | 13.10.2023                                                                                                                                                                                                                                                                                                                                                                |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 16               | Notification                                                                                                                                           | 07.09.2023                                                                                                                                                                                                                                                                                                                                                                |          |           |                  |                  |                  |                  |                  |                  |                  |                  |
| 17               | Revenue                                                                                                                                                | 27.06.2023                                                                                                                                                                                                                                                                                                                                                                |          |           |                  |                  |                  |                  |                  |                  |                  |                  |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent submitted to the Committee that in the S Report issued by DMG, there was an old lease with extent of 3-24 Acres with different owner and had operated till 07.11.2013 and the Proponent had obtained new notification on 07.09.2023 and had not carried out any mining activity till date and hence justified that the proposed project does not attract violation. The Committee noted the clarification.





As per the cluster sketch there are another 05 leases in a radius of 500 mtr from the said lease, out of which 03 lease is exempted from cluster, as it was granted prior to 09.09.2013 and the total area of the remaining leases including the applied lease is 8-27 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 280 meters connecting lease area to the all-weather black topped road. The Committee informed that quarrying should 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, 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 7,36,615 tons (including waste) and estimated the life of mine to be 8 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 12,041 ton/ Annum (including waste), with following consideration,

1. Proponent agreed to asphalt the approach road to the quarry and road connecting the crusher as per IRC norms.
2. To grow trees all along the approach road during the first year of operation.
3. Proponent agreed to carry out regular health check-up for the workers in the near by Hospital.
4. Proponent agreed to handle the waste generated by obtaining necessary permission.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

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**Additional Conditions:**

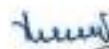
1. The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.
2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects
3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall maintain and upkeep the approach road so as to minimise dust pollution.
6. The PP Shall grow trees all along the approach road during the first year of operation.
7. The PP Shall carry out regular health checkup for the workers in the near by Hospital.

**248.1.17. Laterite Stone Quarry Project at Badagaekkaru Village, Mangalore Taluk, Dakshina Kannada District (5.25 Acres) by M/s. Dharma Construction - Online Proposal No.SIA/KA/MIN/451815/2023 (SEIAA 539 MIN 2023)**

M/s. Dharma Construction have applied for Environmental clearance from SEIAA for Laterite Stone Quarry Project at Sy. No. 88/4 of Badagaekkaru Village, Mangalore Taluk, Dakshina Kannada District (5.25 Acres)

Details of the project are as follows:

| Sl.No | PARTICULARS                              | INFORMATION PROVIDED BY PP                                                                                                     |
|-------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1     | Name & Address of the Projects Proponent | M/s. Dharma Construction                                                                                                       |
| 2     | Name & Location of the Project           | Laterite Stone Quarry Project at Sy. No. 88/4 of Badagaekkaru Village, Mangalore Taluk, Dakshina Kannada District (5.25 Acres) |


|    |                                                                                                                                                        | Latitude                                                        | Longitude         |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------|
|    |                                                                                                                                                        | N13° 01' 55.2448"                                               | E74° 55' 09.2994" |
|    |                                                                                                                                                        | N13° 01' 56.6201"                                               | E74° 55' 02.8762" |
|    |                                                                                                                                                        | N13° 01' 55.9779"                                               | E74° 55' 02.8061" |
|    |                                                                                                                                                        | N13° 02' 00.6460"                                               | E74° 55' 06.6154" |
|    |                                                                                                                                                        | N13° 02' 00.1642"                                               | E74° 55' 06.3620" |
|    |                                                                                                                                                        | N13° 02' 01.9642"                                               | E74° 55' 01.4578" |
|    |                                                                                                                                                        | N13° 02' 00.3039"                                               | E74° 55' 04.5071" |
|    |                                                                                                                                                        | N13° 02' 00.9980"                                               | E74° 55' 06.7862" |
| 3  | Type Of Mineral                                                                                                                                        | Laterite Stone Quarry                                           |                   |
| 4  | New / Expansion / Modification / Renewal                                                                                                               | New                                                             |                   |
| 5  | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                                               | Patta                                                           |                   |
| 6  | Area in Acres                                                                                                                                          | 5.25 Acres                                                      |                   |
| 7  | Annual Production (Metric Ton / Cum) Per Annum                                                                                                         | 1,26,316 Tones/ 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                                                                                                            | 7,42,978Tones (including waste)                                 |                   |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                              | 1,26,316 Tones / Annum (excluding waste)                        |                   |
| 11 | CER Activities: Propose take up 550 No. of additional plantation on either side of the approach road from quarry location to Badagaekkaru Village Road |                                                                 |                   |
| 12 | EMP Budget                                                                                                                                             | Rs. 21.20 lakhs (Capital Cost) & Rs.7.20 lakhs (Recurring cost) |                   |
| 13 | Forest NCC                                                                                                                                             | 21.08.2023                                                      |                   |
| 14 | Quarry plan                                                                                                                                            | 07.11.2023                                                      |                   |
| 15 | Cluster certificate                                                                                                                                    | 07.11.2023                                                      |                   |
| 16 | Notification                                                                                                                                           | 03.11.2023                                                      |                   |
| 17 | Revenue                                                                                                                                                | 12.07.2023                                                      |                   |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

As per the cluster sketch there is no lease within 500mtr from the said lease and total area of the applied lease is 5.25 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 720 meters connecting lease area to the all-weather black topped road. The Committee informed that the production should be commenced after asphalt the approach road to the quarry 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 7,42,978 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 1,26,316 tones/Annum (including waste), with following consideration.

1. Proponent agreed to asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road during the first year of operation.
3. Proponent agreed to carry out regular health checkup for the workers in the near by Hospital.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
2. *The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*



3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall maintain and upkeep the approach road so as to minimize dust pollution.
6. The PP shall grow trees all along the approach road during the first year of operation.
7. The PP shall carry out regular health checkup for the workers in the nearby Hospital.

**248.1.18. Building Stone Quarry Project at Danavalli village, Kolar Taluk & District (1-15 Acres) by Sri Shivakumar V - Online Proposal No.SIA/KA/MIN/442129/2023 (SEIAA 516 MIN 2023)**

Sri Shivakumar V have applied for Environmental clearance from SEIAA for Building Stone Quarry Project at Sy.No. 02 of Danavalli village, Kolar Taluk & District (1-15 Acres)

Details of the project are as follows:

| Sl. No            | PARTICULARS                                                       | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
|-------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-------------------|-------------------|------------------|-------------------|-----------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|
| 1                 | Name & Address of the Projects Proponent                          | Sri Shivakumar V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| 2                 | Name & Location of the Project                                    | Building Stone Quarry Project at Sy.No. 02 of Danavalli village, Kolar Taluk & District (1-15 Acres)<br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 13°09'34.51001"</td> <td>E 77°58'42.88998"</td> </tr> <tr> <td>N 13°9'33.18533"</td> <td>E 77°58'42.44568"</td> </tr> <tr> <td>N 13°9'32.8373"</td> <td>E 77°58'40.19436"</td> </tr> <tr> <td>N 13°9'33.01593"</td> <td>E 77°58'39.10108"</td> </tr> <tr> <td>N 13°9'34.20296"</td> <td>E 77°58'39.24650"</td> </tr> <tr> <td>N 13°9'34.19374"</td> <td>E 77°58'40.04223"</td> </tr> <tr> <td>N 13°9'34.95815"</td> <td>E 77°58'40.10595"</td> </tr> </tbody> </table> | Latitude | Longitude | N 13°09'34.51001" | E 77°58'42.88998" | N 13°9'33.18533" | E 77°58'42.44568" | N 13°9'32.8373" | E 77°58'40.19436" | N 13°9'33.01593" | E 77°58'39.10108" | N 13°9'34.20296" | E 77°58'39.24650" | N 13°9'34.19374" | E 77°58'40.04223" | N 13°9'34.95815" | E 77°58'40.10595" |
| Latitude          | Longitude                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| N 13°09'34.51001" | E 77°58'42.88998"                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| N 13°9'33.18533"  | E 77°58'42.44568"                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| N 13°9'32.8373"   | E 77°58'40.19436"                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| N 13°9'33.01593"  | E 77°58'39.10108"                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| N 13°9'34.20296"  | E 77°58'39.24650"                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| N 13°9'34.19374"  | E 77°58'40.04223"                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| N 13°9'34.95815"  | E 77°58'40.10595"                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| 3                 | Type Of Mineral                                                   | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| 4                 | New / Expansion / Modification / Renewal                          | Renewal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |
| 5                 | Type of Land (Forest, Government Revenue, Gomal, Private / Patta, | Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |           |                   |                   |                  |                   |                 |                   |                  |                   |                  |                   |                  |                   |                  |                   |





|    |                                                                                                                                                     |                                                                 |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
|    | Other                                                                                                                                               |                                                                 |
| 6  | Area in Acres                                                                                                                                       | 1-15 Acres                                                      |
| 7  | Annual Production (Metric Ton / Cum) Per Annum                                                                                                      | 5,575 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                                                                                                          | 2,37,015 Tones (including waste)                                |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                           | 5018 Tones / Annum (excluding waste)                            |
| 11 | CER Activities: Propose take up 120 No. of additional plantation on either side of the approach road from quarry location to Danavalli Village Road |                                                                 |
| 12 | EMP Budget                                                                                                                                          | Rs. 8.93 lakhs (Capital Cost) & Rs. 2.27 lakhs (Recurring cost) |
| 13 | Forest NOC                                                                                                                                          | 14.07.2017                                                      |
| 14 | Quarry plan                                                                                                                                         | 07.08.2023                                                      |
| 15 | Cluster certificate                                                                                                                                 | 07.08.2023                                                      |
| 16 | Notification                                                                                                                                        | 30.06.2023                                                      |
| 17 | Audit Report                                                                                                                                        | 15.07.2023                                                      |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The Proponent informed the Committee that the proposal is for renewal of a lease which was granted earlier on 16.08.2003, with QL No. 418 which has been non-operational since 2007-08 till date and justified the same as per the audit report issued by DMG dated 15.07.2023.

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 2005-06 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 as per SOP issued by MoEF&CC, Dated:07.07.2021.



There is an existing cart track road to a length of 500 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after strengthening 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 2,37,015 Tones (including waste) and estimated the life of mine to be co-terminus with lease period.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 5,575 tons / Annum (including waste), with following consideration,

1. Proponent agreed to strengthen the approach road to the quarry
2. To grow trees all along the approach road during the first year of operation.
3. Proponent agreed to carry out regular health check-up for the workers in the near-by Hospital

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*





2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall maintain and upkeep the approach road so as to minimise dust pollution.
6. The PP shall grow trees all along the approach road during the first year of operation.
7. The PP shall carry out regular health checkup for the workers in the nearby Hospital.

**248.1.19. Building Stone Quarry Project at Hasige Hobli village, Kunigal Taluk, Tumkur District (3-00 Acres) (vide QL No.685) by M/s. M.K.L. Stone Crushers - Online Proposal No.SIA/KA/MIN/44862/2023 (SEIAA 506 MIN 2023)**

M/s. M.K.L. Stone Crushers have applied for Environmental clearance from SEIAA for Building Stone Quarry Project at Sy.No.131 of Hasige Hobli village, Kunigal Taluk, Tumkur District (3-00 Acres) (vide QL No.685)

Details of the project are as follows:

| Sl.No           | PARTICULARS                              | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1               | Name & Address of the Projects Proponent | M/s. M.K.L Stone Crushers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 2               | Name & Location of the Project           | Building Stone Quarry Project at Sy.No.131 of Hasige Hobli village, Kunigal Taluk, Tumkur District (3-00 Acres) (vide QL No.685) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 12° 50' 32.2"</td> <td>E 77° 02' 49.0"</td> </tr> <tr> <td>N 12° 50' 32.1"</td> <td>E 77° 02' 52.4"</td> </tr> <tr> <td>N 12° 50' 28.3"</td> <td>E 77° 02' 52.4"</td> </tr> <tr> <td>N 12° 50' 28.3"</td> <td>E 77° 02' 48.9"</td> </tr> </tbody> </table> | Latitude | Longitude | N 12° 50' 32.2" | E 77° 02' 49.0" | N 12° 50' 32.1" | E 77° 02' 52.4" | N 12° 50' 28.3" | E 77° 02' 52.4" | N 12° 50' 28.3" | E 77° 02' 48.9" |
| Latitude        | Longitude                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| N 12° 50' 32.2" | E 77° 02' 49.0"                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| N 12° 50' 32.1" | E 77° 02' 52.4"                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| N 12° 50' 28.3" | E 77° 02' 52.4"                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| N 12° 50' 28.3" | E 77° 02' 48.9"                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 3               | Type Of Mineral                          | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |           |                 |                 |                 |                 |                 |                 |                 |                 |
| 4               | New / Expansion / Modification /         | DEIAA TO SEIAA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |           |                 |                 |                 |                 |                 |                 |                 |                 |

|    |                                                                                                                                                                         |                                                                  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|    | Renewal                                                                                                                                                                 |                                                                  |
| 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                                                                                                                          | 66,110 Tones/ Annum (including waste)                            |
| 8  | Project Cost (Rs. In Crores)                                                                                                                                            | Rs. 0.30 Crores (Rs.30 Lakhs)                                    |
| 9  | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                                             | 8,74,125Tones (including waste)                                  |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                                               | 66,110 Tones / Annum (including waste)                           |
| 11 | CEK Activities: Propose take up 300 No. of additional plantation on either side of the approach road from quarry location to Hasige Hobli Village Road and Govt. School |                                                                  |
| 12 | EMP Budget                                                                                                                                                              | Rs. 11.75 lakhs (Capital Cost) & Rs. 4.11 lakhs (Recurring cost) |
| 13 | Forest NOC                                                                                                                                                              | 05.10.2016                                                       |
| 14 | Quarry plan                                                                                                                                                             | 30.07.2021                                                       |
| 15 | Cluster certificate                                                                                                                                                     | 18.10.2023                                                       |
| 16 | Audit Report                                                                                                                                                            | 07.10.2023                                                       |

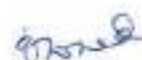
The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for appraisal as per MoEF&CC OM dated 28.04.2023, without change in production for which EC was issued earlier by DEIAA on 28.03.2017 and lease was granted on 12.02.2018 with effect from 26.08.2008 with QI. No. 685. The Proponent submitted audit report till 2022-23 certified from DMG dated 07.10.2023.

There is an existing cart track road to a length of 580 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 as per IRC standard norms and to grow trees all along the approach road, for which the Proponent agreed. Proponent submitted an undertaking for complying with the conditions stipulated by MoEF&CC OM dated: 28.04.2023.

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 8,74,125 tonnes (including waste) and estimated the life of mine to be 14 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 66,110 tons / Annum (including waste) for one year, with following consideration.

1. Proponent agreed to asphalt the approach road to the quarry and road connecting the crusher as per norms before commencing
2. To grow trees all along the approach road during the first year of operation.
3. Proponent agreed to carry out regular health check-up for the workers in the nearby Hospital.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
2. *The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*
3. *The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.*
4. *Dust suppression measures have to be strictly followed.*
5. *The PP shall maintain and upkeep the approach road so as to minimize dust pollution.*
6. *The PP shall grow trees all along the approach road during the first year of operation.*
7. *The PP shall carry out regular health checkup for the workers in the near-by Hospital.*



**248.1.20. Building Stone Quarry Project at Thoranakambadahalli Village, Kolar Taluk & District (2-20 Acres) (QL.No. 238) by Sri D. R. Narayanaswamy - Online Proposal No.SI/KK/MIN/446747/2023 (SELAA 519 MIN 2023)**

Sri D. R. Narayanaswamy have applied for Environmental clearance from SELAA for Building Stone Quarry Project at Sy.No. 07 of Thoranakambadahalli Village, Kolar Taluk & District (2-20 Acres) (QL.No. 238)

Details of the project are as follows:

| Sl.No           | PARTICULARS                                                                                                                                            | INFORMATION PROVIDED BY PF                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| 1               | Name & Address of the Projects Proponent                                                                                                               | Sri D. R. Narayanaswamy                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 2               | Name & Location of the Project                                                                                                                         | Building Stone Quarry Project at Sy.No. 07 of Thoranakambadahalli Village, Kolar Taluk & District (2-20 Acres) (QL.No. 238)                                                                                                                                                                                                                                                                                                                                                                       |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
|                 |                                                                                                                                                        | <table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 13°9'42.2884"</td> <td>E 77°58'41.8046"</td> </tr> <tr> <td>N 13°9'42.1122"</td> <td>E 77°58'45.2995"</td> </tr> <tr> <td>N 13°9'41.9701"</td> <td>E 77°58'45.5572"</td> </tr> <tr> <td>N 13°9'39.5252"</td> <td>E 77°58'45.5948"</td> </tr> <tr> <td>N 13°9'39.5395"</td> <td>E 77°58'41.5425"</td> </tr> <tr> <td>N 13°9'41.0406"</td> <td>E 77°58'41.3764"</td> </tr> </tbody> </table> | Latitude | Longitude | N 13°9'42.2884" | E 77°58'41.8046" | N 13°9'42.1122" | E 77°58'45.2995" | N 13°9'41.9701" | E 77°58'45.5572" | N 13°9'39.5252" | E 77°58'45.5948" | N 13°9'39.5395" | E 77°58'41.5425" | N 13°9'41.0406" | E 77°58'41.3764" |
| Latitude        | Longitude                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N 13°9'42.2884" | E 77°58'41.8046"                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N 13°9'42.1122" | E 77°58'45.2995"                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N 13°9'41.9701" | E 77°58'45.5572"                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N 13°9'39.5252" | E 77°58'45.5948"                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N 13°9'39.5395" | E 77°58'41.5425"                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N 13°9'41.0406" | E 77°58'41.3764"                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 3               | Type Of Mineral                                                                                                                                        | Building Stone Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 4               | New/Expansion/Modification/ Renewal                                                                                                                    | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 5               | Type of Land [Forest, Government Revenue, Gornal, Private / Patta, Other]                                                                              | Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 6               | Area in Acres                                                                                                                                          | 2-20 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 7               | Annual Production (Metric Ton / Cum) Per Annum                                                                                                         | 5,641 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 8               | Project Cost (Rs. In Crores)                                                                                                                           | Rs. 0.30 Crores (Rs.30 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 9               | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                            | 5,51,220 Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 10              | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                              | 5077 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 Doddavallabi Village Road |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 12              | EMP Budget                                                                                                                                             | Rs. 2.25 lakhs (Capital Cost) & Rs. 1.25 lakhs (Recurring)                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |

|    |                     |                    |
|----|---------------------|--------------------|
|    |                     | cost)              |
| 13 | Forest NOC          | 22.03.2012         |
| 14 | Quarry plan         | 13.09.2023(Manual) |
| 15 | Cluster certificate | 13.09.2023         |
| 17 | Audit Report        | 19.08.2023         |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The Proponent informed the Committee that the proposal is for renewal of a lease which was granted earlier on 09.05.2000, with QL No. 238 which has been non-operational since 2006-07 till date and justified the same as per the audit report issued by DMG dated 19.08.2023.

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 2006-07 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 2006-07 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 as per SOP issued by MoRF&CC, Dated:07.07.2021.

There is an existing cart track road to a length of 260 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after strengthening 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 5,54,220 Tones (including waste) and estimated the life of mine to be co-terminus with lease period.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 5,641 tons / Annum (including waste), with following consideration,

1. Proponent agreed to strengthen the approach road to the quarry
2. To grow trees all along the approach road during the first year of operation.
3. Proponent agreed to carry out regular health check-up for the workers in the near by Hospital

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
2. *The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*
3. *The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.*
4. *Dust suppression measures have to be strictly followed.*
5. *The PP shall maintain and upkeep the approach road so as to minimize dust pollution.*
6. *The PP shall grow trees all along the approach road during the first year of operation.*
7. *The PP shall carry out regular health checkup for the workers in the nearby Hospital.*

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**248.1.21. Ordinary Sand Quarry Project In close vicinity of Malaprabha River at Shirol Village, Nargund Taluk, Gadag District (5-20 Acres) by Sri. I. V. Kyamangoudar - Online Proposal No.SIA/KA/MIN/450337/2023 (SELAA 532 MIN 2023)**

Sri. I. V. Kyamangoudar have applied for Environmental clearance from SRTAA for Ordinary Sand Quarry Project In close vicinity of Malaprabha River at Sy.Nos.11/1, 11/2, 11/3 of Shirol Village, Nargund Taluk, Gadag District (5-20 Acres)

Details of the project are as follows:

| Sl.No         | PARTICULARS                                                                                                                                      | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                 |          |           |               |               |               |               |               |               |               |               |               |               |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1             | Name & Address of the Projects Proponent                                                                                                         | Sri. I. V. Kyamangoudar                                                                                                                                                                                                                                                                                                                                                                                    |          |           |               |               |               |               |               |               |               |               |               |               |
| 2             | Name & Location of the Project                                                                                                                   | Ordinary Sand Quarry Project In close vicinity of Malaprabha River at Sy.Nos.11/1, 11/2, 11/3 of Shirol Village, Nargund Taluk, Gadag District (5-20 Acres)                                                                                                                                                                                                                                                |          |           |               |               |               |               |               |               |               |               |               |               |
|               |                                                                                                                                                  | <table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 15°49'48.5"</td> <td>E 75°32'57.0"</td> </tr> <tr> <td>N 15°49'51.6"</td> <td>E 75°32'57.2"</td> </tr> <tr> <td>N 15°50'0.10"</td> <td>E 75°32'58.4"</td> </tr> <tr> <td>N 15°50'0.60"</td> <td>E 75°32'56.4"</td> </tr> <tr> <td>N 15°49'48.2"</td> <td>E 75°32'54.9"</td> </tr> </tbody> </table> | Latitude | Longitude | N 15°49'48.5" | E 75°32'57.0" | N 15°49'51.6" | E 75°32'57.2" | N 15°50'0.10" | E 75°32'58.4" | N 15°50'0.60" | E 75°32'56.4" | N 15°49'48.2" | E 75°32'54.9" |
| Latitude      | Longitude                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                            |          |           |               |               |               |               |               |               |               |               |               |               |
| N 15°49'48.5" | E 75°32'57.0"                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                            |          |           |               |               |               |               |               |               |               |               |               |               |
| N 15°49'51.6" | E 75°32'57.2"                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                            |          |           |               |               |               |               |               |               |               |               |               |               |
| N 15°50'0.10" | E 75°32'58.4"                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                            |          |           |               |               |               |               |               |               |               |               |               |               |
| N 15°50'0.60" | E 75°32'56.4"                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                            |          |           |               |               |               |               |               |               |               |               |               |               |
| N 15°49'48.2" | E 75°32'54.9"                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                            |          |           |               |               |               |               |               |               |               |               |               |               |
| 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                                                                                                                                    | 5-20 Acres                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |               |               |               |               |               |               |               |               |               |               |
| 7             | Annual Production (Metric Ton / Cum) Per Annum                                                                                                   | 19,733 Tonns/ annum (including waste)                                                                                                                                                                                                                                                                                                                                                                      |          |           |               |               |               |               |               |               |               |               |               |               |
| 8             | Project Cost (Rs. In Crores)                                                                                                                     | Rs. 1.5 Crores (Rs. 10Lakhs)                                                                                                                                                                                                                                                                                                                                                                               |          |           |               |               |               |               |               |               |               |               |               |               |
| 9             | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                      | 98.663 Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                             |          |           |               |               |               |               |               |               |               |               |               |               |
| 10            | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                        | 19,733 Tonns/ annum (including waste)                                                                                                                                                                                                                                                                                                                                                                      |          |           |               |               |               |               |               |               |               |               |               |               |
| 11            | CER Activities: Propose take up 600 No. of additional plantation on either side of the approach road from quarry location to Shirol Village Road |                                                                                                                                                                                                                                                                                                                                                                                                            |          |           |               |               |               |               |               |               |               |               |               |               |
| 12            | EMP Budget                                                                                                                                       | Rs.17.37 Lakhs (Capital Cost) & Rs. 3.97 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                            |          |           |               |               |               |               |               |               |               |               |               |               |
| 13            | Forest NOC                                                                                                                                       | 21.11.2020                                                                                                                                                                                                                                                                                                                                                                                                 |          |           |               |               |               |               |               |               |               |               |               |               |



|    |                     |            |
|----|---------------------|------------|
| 14 | Cluster certificate | 26.10.2023 |
| 15 | Revenue NOC         | 09.11.2020 |
| 16 | DTP                 | 13.07.2021 |
| 17 | App. Quarry Plan    | 31.08.2021 |
| 18 | JIR                 | 3.5 mtr    |
| 19 | C. & I Notification | 10.12.2021 |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for ordinary sand mining and as per the cluster sketch there are 04 lease in a radius of 500 mtr from the said lease out of which 3 lease with total extent 20-30 Acres has expired and the the total area of the remaining lease including the present leases is 11-18 Acres and hence the project is categorized as B2. Proponent informed that as per DMG site inspection letter, there is no river sand blocks in a radius of 5km from the proposed area.

There is an existing cart track road to a length of 200 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 as per IRC norms and to strictly implement mine closure plan effectively after mining operation 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 98,663 Tons (including waste) and estimated the life of the quarry 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 19,733 ton/year (including waste), with following consideration,

1. Proponent agreed to asphalt the approach road to the quarry as per IRC norms
2. To implement mine closure plan effectively after mining operation by preserving top soil and reusing it for plantation after completing of mining operation.
3. To grow trees all along the approach road & buffer zone during the first year of operation and to carry out halla strengthening works.

4. Proponent agreed to carry out regular health checkup for the workers in the near by Hospital.

**The Authority perused the proposal and took note of the recommendation of SEAC.**

The Authority initially noted the complaint received from (kshafi1985g@gmail.com) dated 18<sup>th</sup> November 2023 informing that the complainants file is rejected on the grounds to consider combined cluster sketch of Bagalkot and Gadag District but the file of Kyananagowdar (SEIAA 532 MIN 2023) is considered for EC without considering the Cluster sketch of Bagalkot and Gadag District as leases of Suresh Madli (SEIAA 119 MIN 2023), Krishna Patil and others quarrying areas are adjacent to the applied lease. Hence, the present proposal to be consider with Public Hearing.

**The Authority after discussion decided that EC may be issued:**

1. If and only if the project proponent submits an Authenticated document from DMG, Gadag stating that the said project doesn't attract the cluster effect.
2. If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).
3. Safety measures proposed shall be submitted.
4. A time bound action plan for implementation of proposed CFR activities as a part of EMP shall be furnished.
5. The proponent shall furnish a certificate from competent Authority that there is no sand quarry within 5 KM of project site.

**Additional Conditions:**

1. The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.
2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall utilize the permission as per the Sand policy of the GoK Notification No. CI 343 MMN 2019 (Part 7) dated 01.12.2021.



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6. The PP shall maintain and upkeep the approach road so as to minimize dust pollution.
7. The PP shall implement mine closure plan effectively after mining operation
8. The PP shall grow trees on the buffers & banks of halla and all along the approach road during the first year of operation.
9. The PP Shall implement mine closure plan effectively after mining operation

**248.1.22 Building Stone Quarry Project at Thoranakambadahalli village, Kolar Taluk & District (1-20 Acres) (QL.No. 232) by Sri D. R. Narayanaswamy - Online Proposal No.SIA/KA/MIN/446787/2023 (SEIAA 517 MIN 2023)**

Sri D. R. Narayanaswamy have applied for Environmental clearance from SEIAA for Building Stone Quarry Project at Sy.No. 07 of Thoranakambadahalli village, Kolar Taluk & District (1-20 Acres) (QL.No. 232)

Details of the project are as follows:

| Sl. No          | PARTICULARS                                                              | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                           |          |           |                 |                  |                 |                  |                 |                  |                |                  |
|-----------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|------------------|-----------------|------------------|-----------------|------------------|----------------|------------------|
| 1               | Name & Address of the Projects Proponent                                 | Sri D. R. Narayanaswamy                                                                                                                                                                                                                                                                                                                                              |          |           |                 |                  |                 |                  |                 |                  |                |                  |
| 2               | Name & Location of the Project                                           | Building Stone Quarry Project at Sy.No. 07 of Thoranakambadahalli village, Kolar Taluk & District (1-20 Acres) (QL.No. 232)                                                                                                                                                                                                                                          |          |           |                 |                  |                 |                  |                 |                  |                |                  |
|                 |                                                                          | <table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 13°9'39.5395"</td> <td>E 77°58'41.5425"</td> </tr> <tr> <td>N 13°9'39.5319"</td> <td>E 77°58'43.6745"</td> </tr> <tr> <td>N 13°9'36.4688"</td> <td>E 77°58'43.4865"</td> </tr> <tr> <td>N 13°9'36.284"</td> <td>E 77°58'41.4971"</td> </tr> </tbody> </table> | Latitude | Longitude | N 13°9'39.5395" | E 77°58'41.5425" | N 13°9'39.5319" | E 77°58'43.6745" | N 13°9'36.4688" | E 77°58'43.4865" | N 13°9'36.284" | E 77°58'41.4971" |
| Latitude        | Longitude                                                                |                                                                                                                                                                                                                                                                                                                                                                      |          |           |                 |                  |                 |                  |                 |                  |                |                  |
| N 13°9'39.5395" | E 77°58'41.5425"                                                         |                                                                                                                                                                                                                                                                                                                                                                      |          |           |                 |                  |                 |                  |                 |                  |                |                  |
| N 13°9'39.5319" | E 77°58'43.6745"                                                         |                                                                                                                                                                                                                                                                                                                                                                      |          |           |                 |                  |                 |                  |                 |                  |                |                  |
| N 13°9'36.4688" | E 77°58'43.4865"                                                         |                                                                                                                                                                                                                                                                                                                                                                      |          |           |                 |                  |                 |                  |                 |                  |                |                  |
| N 13°9'36.284"  | E 77°58'41.4971"                                                         |                                                                                                                                                                                                                                                                                                                                                                      |          |           |                 |                  |                 |                  |                 |                  |                |                  |
| 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                                                            | 1-20 Acres                                                                                                                                                                                                                                                                                                                                                           |          |           |                 |                  |                 |                  |                 |                  |                |                  |
| 7               | Annual Production (Metric Ton / Cum) Per Annum                           | 5,562 Tonns/annum (including waste)                                                                                                                                                                                                                                                                                                                                  |          |           |                 |                  |                 |                  |                 |                  |                |                  |
| 8               | Project Cost (Rs. In Crores)                                             | Rs. 0.15 Crores (Rs. 15 Lakhs)                                                                                                                                                                                                                                                                                                                                       |          |           |                 |                  |                 |                  |                 |                  |                |                  |
| 9               | Proved Quantity of mine/ Quarry-                                         | 3,08,302 Tones (including waste)                                                                                                                                                                                                                                                                                                                                     |          |           |                 |                  |                 |                  |                 |                  |                |                  |

|    |                                                                                                                                                        |                                                                |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|    | Cu.m / Ton                                                                                                                                             |                                                                |
| 10 | Permitted Quantity Per Annum -<br>Cu.m / Ton                                                                                                           | 5,006 Tonns/annum (including waste)                            |
| 11 | CER Activities: Propose take up 150 No. of additional plantation on either side of the approach road from quarry location to Doddavallabi Village Road |                                                                |
| 12 | EMP Budget                                                                                                                                             | Rs.7.70 Lakhs (Capital Cost) & Rs. 3.12 lakhs (Recurring cost) |
| 13 | Forest NOC                                                                                                                                             | 22.03.2012                                                     |
| 14 | Notification                                                                                                                                           | 13.09.2023                                                     |
| 15 | Audit Report                                                                                                                                           | 19.08.2023                                                     |
| 16 | App. Quarry<br>Plan                                                                                                                                    | 13.09.2023(Manual)                                             |
| 17 | JIR                                                                                                                                                    | 30.06.2020                                                     |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The Proponent informed the Committee that the proposal is for renewal of a lease which was granted earlier on 23.03.2000, with QL No. 232 which has been non-operational since 2005-06 till date and justified the same as per the audit report issued by DMG dated 19.08.2023.

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 2005-06 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 2005-06 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 as per SOP issued by MoEF&CC, Dated:07.07.2021.

There is an existing cart track road to a length of 404 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after strengthening 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.

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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 Committer noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 3,08,302 Tones (including waste) and estimated the life of mine to be co-terminus with lease period.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 5,562 tons / Annum (including waste), with following consideration.

1. Proponent agreed to strengthen the approach road to the quarry
2. To grow trees all along the approach road during the first year of operation.
3. Proponent agreed to carry out regular health check-up for the workers in the nearby Hospital

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed C.F.R activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
2. *The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*
3. *The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.*

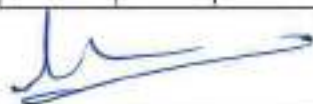
4. Dust suppression measures have to be strictly followed.
5. The PP shall maintain and upkeep the approach road so as to minimize dust pollution.
6. The PP Shall grow trees all along the approach road during the first year of operation.
7. The PP Shall carry out regular health checkup for the workers in the nearby Hospital.

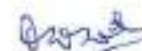
**248.1.23. Building Stone Quarry Project at Shirva village in Kapu Taluk, Udupi District (2-00 Acres) by Smt. Sukhalatha H. Shetty - Online Proposal No.SLA/KA/MIN/439927/2023 (SELAA 451 MIN 2023)**

Smt. Sukhalatha H. Shetty have applied for Environmental clearance from SELAA for Building Stone Quarry Project at Sy. No. 24/P1 of Shirva village in Kapu Taluk, Udupi District (2-00 Acres)

Details of the project are as follows:

| Sl.No         | PARTICULARS                                                              | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                        |          |           |               |               |               |               |               |               |               |               |
|---------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1             | Name & Address of the Projects PropONENT                                 | Smt. Sukhalatha H. Shetty                                                                                                                                                                                                                                                                                                                         |          |           |               |               |               |               |               |               |               |               |
| 2             | Name & Location of the Project                                           | Building Stone Quarry Project at Sy. No. 24/P1 of Shirva village in Kapu Taluk, Udupi District (2-00 Acres)                                                                                                                                                                                                                                       |          |           |               |               |               |               |               |               |               |               |
|               |                                                                          | <table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 13°15'08.9"</td> <td>E 74°48'44.7"</td> </tr> <tr> <td>N 13°15'09.6"</td> <td>E 74°48'41.1"</td> </tr> <tr> <td>N 13°15'07.9"</td> <td>E 74°48'39.6"</td> </tr> <tr> <td>N 13°15'06.5"</td> <td>E 74°48'41.5"</td> </tr> </tbody> </table> | Latitude | Longitude | N 13°15'08.9" | E 74°48'44.7" | N 13°15'09.6" | E 74°48'41.1" | N 13°15'07.9" | E 74°48'39.6" | N 13°15'06.5" | E 74°48'41.5" |
| Latitude      | Longitude                                                                |                                                                                                                                                                                                                                                                                                                                                   |          |           |               |               |               |               |               |               |               |               |
| N 13°15'08.9" | E 74°48'44.7"                                                            |                                                                                                                                                                                                                                                                                                                                                   |          |           |               |               |               |               |               |               |               |               |
| N 13°15'09.6" | E 74°48'41.1"                                                            |                                                                                                                                                                                                                                                                                                                                                   |          |           |               |               |               |               |               |               |               |               |
| N 13°15'07.9" | E 74°48'39.6"                                                            |                                                                                                                                                                                                                                                                                                                                                   |          |           |               |               |               |               |               |               |               |               |
| N 13°15'06.5" | E 74°48'41.5"                                                            |                                                                                                                                                                                                                                                                                                                                                   |          |           |               |               |               |               |               |               |               |               |
| 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                                                            | 2-00 Acres                                                                                                                                                                                                                                                                                                                                        |          |           |               |               |               |               |               |               |               |               |
| 7             | Annual Production (Metric Ton / Cum) Per Annum                           | 10,309 Tones/ Annum (including waste)                                                                                                                                                                                                                                                                                                             |          |           |               |               |               |               |               |               |               |               |
| 8             | Project Cost (Rs. In Crores)                                             | Rs. 0.30 Crores (Rs.30 Lakhs)                                                                                                                                                                                                                                                                                                                     |          |           |               |               |               |               |               |               |               |               |
| 9             | Proved Quantity of mine/ Quarry-Cum / Ton                                | 1,49,909 Tones (including waste)                                                                                                                                                                                                                                                                                                                  |          |           |               |               |               |               |               |               |               |               |





|    |                                                                                                                                                  |                                                                  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 10 | Permitted Quantity Per Annum -<br>Cu.m / Ton                                                                                                     | 10,000 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 Shirva Village Road |                                                                  |
| 12 | EMP Budget                                                                                                                                       | Rs. 11.75 lakhs (Capital Cost) & Rs. 2.99 lakhs (Recurring cost) |
| 13 | Forest NOC                                                                                                                                       | 09.07.2018                                                       |
| 14 | Quarry plan                                                                                                                                      | 03.06.2022                                                       |
| 15 | Cluster certificate                                                                                                                              | 25.11.2021                                                       |
| 16 | Audit Report                                                                                                                                     | 13.11.2023                                                       |
| 17 | Notification                                                                                                                                     | 05.01.2009                                                       |
| 18 | Revenue                                                                                                                                          | 11.11.2019                                                       |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The Proponent informed the Committee that the proposal is for renewal of a lease which was granted earlier on 10.09.2008, with QL No. 183 which has been non-operational since 2014-15 till date and justified the same as per the audit report issued by DMG dated 19.08.2023. The Proponent informed that the lease was transferred to Proponent as per DMG letter dated 08.11.2023.

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 2014-15 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 2014-15 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 as per SOP issued by MoEF&CC, Dated:07.07.2021.

There is an existing cart track road to a length of 890 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after strengthening 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 1,49,909 Tones (including waste) and estimated the life of mine to be 2 years

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 10,309 tons / Annum (including waste), with following consideration,

1. Proponent agreed to strengthen the approach road to the quarry
2. To grow trees all along the approach road during the first year of operation.
3. Proponent agreed to carry out regular health check-up for the workers in the near by Hospital

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
2. *The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*



3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall maintain and upkeep the approach road so as to minimize dust pollution.
6. The PP shall grow trees all along the approach road during the first year of operation.
7. The PP shall carry out regular health checkup for the workers in the nearby Hospital.

**248.1.24. Pink Granite Quarry Project at Agalakera village in Koppal Taluk & District (11-12 Acres) by M/s. Sai Mohan Granites - Online Proposal No.SIA/KA/MIN/450372/2023 (SEIAA 531 MIN 2023)**

M/s. Sai Mohan Granites have applied for Environmental clearance from SEIAA for Pink Granite Quarry Project at Sy. No. 57 (P) of Agalakera village in Koppal Taluk & District (11-12 Acres)

Details of the project are as follows:

|                     | PARTICULARS                                                            | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|---------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 1                   | Name & Address of the Projects Proponent                               | M/s. Sai Mohan Granites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| 2                   | Name & Location of the Project                                         | Pink Granite Quarry Project at Sy. No. 57 (P) of Agalakera village in Koppal Taluk & District (11-12 Acres) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 15° 21' 19.39761"</td> <td>E 76° 19' 43.54452"</td> </tr> <tr> <td>N 15° 21' 17.41683"</td> <td>E 76° 19' 44.18408"</td> </tr> <tr> <td>N 15° 21' 12.71448"</td> <td>E 76° 19' 36.98363"</td> </tr> <tr> <td>N 15° 21' 16.10376"</td> <td>E 76° 19' 35.86990"</td> </tr> <tr> <td>N 15° 21' 19.67142"</td> <td>E 76° 19' 40.08966"</td> </tr> </tbody> </table> | Latitude | Longitude | N 15° 21' 19.39761" | E 76° 19' 43.54452" | N 15° 21' 17.41683" | E 76° 19' 44.18408" | N 15° 21' 12.71448" | E 76° 19' 36.98363" | N 15° 21' 16.10376" | E 76° 19' 35.86990" | N 15° 21' 19.67142" | E 76° 19' 40.08966" |
| Latitude            | Longitude                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 15° 21' 19.39761" | E 76° 19' 43.54452"                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 15° 21' 17.41683" | E 76° 19' 44.18408"                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 15° 21' 12.71448" | E 76° 19' 36.98363"                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 15° 21' 16.10376" | E 76° 19' 35.86990"                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| N 15° 21' 19.67142" | E 76° 19' 40.08966"                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| 3                   | Type Of Mineral                                                        | Pink Granite Quarry Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| 4                   | New/Expansion/Modification/Re newal                                    | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| 5                   | Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other] | Patta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| 6                   | Area in Acres                                                          | 11-12 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |

|    |                                                                                               |                                                                  |
|----|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 7  | Annual Production (Metric Ton / Cum) Per Annum                                                | 21,000 Cum/ Annum (including waste)                              |
| 8  | Project Cost (Rs. In Crores)                                                                  | Rs.0.90 Crores (Rs.90 Lakhs)                                     |
| 9  | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                   | 21,29,315 Cum (including waste)                                  |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                     | 6,300 Cum/ Annum (recovery)                                      |
| 11 | CRR Activities: Propose to construct WBM road from quarry location to Agalakera village road. |                                                                  |
| 12 | EMP Budget                                                                                    | Rs.29.90 Lakhs (Capital Cost) & Rs. 11.10 Lakhs (Recurring cost) |
| 13 | Quarry plan                                                                                   | 16.10.2023                                                       |
| 14 | Cluster certificate                                                                           | 19.10.2023                                                       |
| 15 | Forest NoC                                                                                    | 25.06.2019                                                       |
| 16 | DTF                                                                                           | 20.04.2023                                                       |
| 17 | Revenue                                                                                       | 19.04.2021                                                       |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

As per the cluster sketch there is no lease within 500mtr from the said lease and total area of the applied lease is 11-12 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 1600meters connecting lease area to the all-weather black topped road. The Committee informed that the production should be commenced after asphalt the approach road to the quarry 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 21,29,315cum(including waste) and estimated the life of mine to be co-terminus with lease period.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 21,000 Cum /Annum (including waste), with following consideration,

1. Proponent agreed to asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road during the first year of operation.

3. Proponent agreed to carry out regular health check-up for the workers in the near by Hospital.

The Authority perused the proposal and took note of the recommendation of SEAC,

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

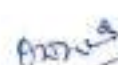
1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
2. *The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*
3. *The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.*
4. *Dust suppression measures have to be strictly followed.*
5. *The PP shall maintain and upkeep the approach road so as to minimize dust pollution.*
6. *The PP shall grow trees all along the approach road during the first year of operation.*
7. *The PP shall carry out regular health checkup for the workers in the nearby Hospital.*

**248.1.25. River Sand Quarry Project In River Sand Block No.13, in Haladi River Bed, over an extent of 3.70 Acres situated in Molahalli Village, Kundapura Taluk & Udupi District by Sri J. K. Mahabal Naik - Online Proposal No.SIA/KA/MIN/449807/2023 (SELAA 520 MIN 2023)**

Sri J. K. Mahabal Naik have applied for Environmental clearance from SEIAA for River Sand Quarry Project In River Sand Block No.13, in Haladi River Bed, over an extent of 3.70 Acres situated in Sy.No.253 of Molahalli Village, Kundapura Taluk & Udupi District



Handwritten signature in blue ink



Details of the project are as follows:

| Sl.No           | PARTICULARS                                                                                                                                        | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| 1               | Name & Address of the Projects Proponent                                                                                                           | Sri J. K. Mahabal Naik                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 2               | Name & Location of the Project                                                                                                                     | River Sand Quarry Project In River Sand Block No.13, in Haladi River Bed, over an extent of 3.70 Acres situated in Sy.No.253 of Molahalli Village, Kundapura Taluk & Udupi District<br><table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N13° 36' 31.47"</td> <td>E 74° 50' 28.48"</td> </tr> <tr> <td>N13° 36' 38.11"</td> <td>E 74° 50' 21.78"</td> </tr> <tr> <td>N13° 36' 39.16"</td> <td>E 74° 50' 22.28"</td> </tr> <tr> <td>N13° 36' 32.30"</td> <td>E 74° 50' 29.15"</td> </tr> <tr> <td>N13° 36' 25.60"</td> <td>E 74° 50' 31.70"</td> </tr> <tr> <td>N13° 36' 25.35"</td> <td>E 74° 50' 31.09"</td> </tr> </tbody> </table> | Latitude | Longitude | N13° 36' 31.47" | E 74° 50' 28.48" | N13° 36' 38.11" | E 74° 50' 21.78" | N13° 36' 39.16" | E 74° 50' 22.28" | N13° 36' 32.30" | E 74° 50' 29.15" | N13° 36' 25.60" | E 74° 50' 31.70" | N13° 36' 25.35" | E 74° 50' 31.09" |
| Latitude        | Longitude                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N13° 36' 31.47" | E 74° 50' 28.48"                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N13° 36' 38.11" | E 74° 50' 21.78"                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N13° 36' 39.16" | E 74° 50' 22.28"                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N13° 36' 32.30" | E 74° 50' 29.15"                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N13° 36' 25.60" | E 74° 50' 31.70"                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| N13° 36' 25.35" | E 74° 50' 31.09"                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 3               | Type Of Mineral                                                                                                                                    | Ordinary Sand Quarry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 4               | New / Expansion / Modification / Renewal                                                                                                           | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 5               | Type of Land [Forest, Government Revenue, Gomal, Private/Patta,Other]                                                                              | Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 6               | Area in Acres                                                                                                                                      | 3.70 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 7               | Annual Production (Metric Ton / Cum) Per Annum                                                                                                     | 25,753 Tonnas/annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 8               | Project Cost (Rs. In Crores)                                                                                                                       | Rs. 0.30 Crores (Rs. 30 Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 9               | Proved Quantity of mine/ Quarry- Cu.m / Ton                                                                                                        | 25,753 Tones (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 10              | Permitted Quantity Per Annum - Cu.m / Ton                                                                                                          | 24,465 Tonnas/annum (including waste)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 11              | CER Activities: Propose take up 500 No. of additional plantation on either side of the approachroad from quarry location to Molahalli Village Road |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 12              | EMP Budget                                                                                                                                         | Rs.17.70 Lakhs (Capital Cost) & Rs. 5.20 lakhs (Recurring cost)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 13              | Forest NOC                                                                                                                                         | 11.10.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 14              | Notification                                                                                                                                       | 10.01.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 15              | Revenue                                                                                                                                            | 10.10.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 16              | App. Quarry Plan                                                                                                                                   | 18.10.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |
| 17              | DTF                                                                                                                                                | 24.03.2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |                 |                  |

|    |                     |            |
|----|---------------------|------------|
| 18 | Cluster Certificate | 18.10.2023 |
| 19 | Irrigation          | 31.05.2023 |
| 20 | JIR                 | 3 mtr      |
| 21 | Lol                 | 24.09.2023 |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for River Bed Sand Mining. The Committee sought clarification from Proponent regarding method of mining proposed in compliance to Hon'ble NGT (SZ) Directions in O.A 194/2020 dated 15.09.2022 i.e not to use any machinery for excavation of sand, for which the Proponent informed that they have proposed manual method of mining.

There is an existing cart track road to a length of 245 meters connecting the lease area to the all-weather black topped road and the Committee informed that the mining operation should be commenced after concreting the approach road as per standard norms and to grow trees all along the approach road and in the banks of the river, to strictly implement bund protection works, dust mitigation measures and not to use any machinery for excavation of sand as per Hon'ble NGT (SZ) Directions in O.A 194/2020 dated 15.09.2022 and also not to carry out in-stream mining, to which the Proponent agreed. Proponent informed the Committee that they had obtained DMG approved replenishment report for the proposed sand quarry considering the catchment area and rainfall details. Further the Committee sought clarification regarding dry weather flow, for which the Proponent submitted photos of May 2023 showing availability of sand and dry weather flow and informed the Committee that mining operations would be carried out only in dry weather conditions.

The Proponent has collected baseline data of air, water, soil and noise and 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. In the proposed project, the Proponent agreed to follow the conditions stipulated in sustainable sand mining guidelines 2016 and Enforcement & Monitoring guidelines 2020.

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 25,753 tons per year (including waste) and estimated the life of the quarry to be 5 years with due replenishment every year.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 25,753 tons per year (including waste) after due replenishment every year, with following consideration,



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1. Proponent agreed to concrete the approach road to the quarry as per standard norms
2. To implement mine closure plan effectively after mining operation
3. To grow trees all along the approach road during the first year of operation.
4. Mining should be carried out after due replenishment every year
5. Proponent agreed to abide by the Sustainable sand mining guidelines 2016 and Enforcement & Monitoring Guidelines 2020
6. To comply with the Hon'ble NGT Directions in O.A 194/2020 dated 15.09.2022 and for any violation against the Directions of Hon'ble NGT Directions in O.A 194/2020 dated 15.09.2022, the Proponent would be held responsible.
7. To follow Labour laws and Mines Act in the proposed project.
8. To carry out bank stabilization works.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
2. *The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*
3. *The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.*
4. *Dust suppression measures have to be strictly followed.*
5. *The PP shall maintain and upkeep the approach road so as to minimize dust pollution.*
6. *The PP shall grow trees all along the approach road during the first year of operation.*



7. The PP shall utilize the permission as per the Sand policy of the CoK Notification No. CI 343 MMN 2019 (Part 7) dated 01.12.2021.
8. The PP shall implement mine closure plan effectively after mining operation
9. The PP shall grow trees all along the approach road during the first year of operation.
10. Mining should be carried out after due replenishment every year
11. The PP shall abide by the Sustainable sand mining guidelines 2016 and Enforcement & Monitoring Guidelines 2020
12. The PP shall comply with the Hon'ble NGT Directions in O.A 194/2020 dated 15.09.2022 and for any violation against the Directions of Hon'ble NGT Directions in O.A 194/2020 dated 15.09.2022, the Proponent would be held responsible.
13. The PP shall follow Labour laws and Mines Act in the proposed project.
14. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
15. The proponent shall stabilize the river bank with waste materials like pebbles and planting the khus grass and suitable plant species.

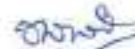
**248.1.26. Expansion of Building Stone Quarry Project at Haralur Byrasandra Village, Tumkur Taluk & District (3-10 Acres) (vide QL No.758) by M/s Kaleshwara Stone Crusher - Online Proposal No.SEA/KA/MIN/409752/2022 (SEIAA 541 MIN 2022)**

M/s. Kaleshwara Stone Crusher have applied for Environmental clearance from SEIAA for Expansion of Building Stone Quarry Project at Sy. No.68(P) of Haralur Byrasandra Village, Tumkur Taluk & District (3-10 Acres) (vide QL No.758)

Details of the project are as follows;

| S.No | PARTICULARS                              | INFORMATION PROVIDED BY PP                                                                                                                      |
|------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Name & Address of the Projects Proponent | M/s. Kaleshwara Stone Crusher                                                                                                                   |
| 2    | Name & Location of the Project           | Expansion of Building Stone Quarry Project at Sy. No.68(P) of Haralur Byrasandra Village, Tumkur Taluk & District (3-10 Acres) (vide QL No.758) |





|    |                                                                                                                                    | Latitude                                                    | Longitude     |
|----|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------|
|    |                                                                                                                                    | N 15°15'52.8"                                               | E 77°08'59.0" |
|    |                                                                                                                                    | N 15°15'51.5"                                               | E 77°08'03.6" |
|    |                                                                                                                                    | N 15°15'50.4"                                               | E 77°08'04.0" |
|    |                                                                                                                                    | N 15°15'49.1"                                               | E 77°08'59.0" |
| 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                                                                                                                      | 3-10 Acres                                                  |               |
| 7  | Annual Production (Metric Ton / Cum) Per Annum                                                                                     | 1,02,041 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                                                                                        | 17,02,978 Tones (including waste)                           |               |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                                                          | 1,00,000 Tones / Annum (excluding waste)                    |               |
| 11 | CFR Activities: To grow 600 trees along the approach road and to provide infrastructure facilities to nearby Govt. School/Hospital |                                                             |               |
| 12 | EMP Budget                                                                                                                         | Rs. 40 lakhs (Capital Cost) & Rs. 10 lakhs (Recurring cost) |               |
| 13 | Forest NOC                                                                                                                         | 30.07.2016                                                  |               |
| 14 | Quarry plan                                                                                                                        | 24.11.2022                                                  |               |
| 15 | Water certificate                                                                                                                  | 05.12.2022                                                  |               |
| 16 | CCR                                                                                                                                | 10.11.2023                                                  |               |
| 17 | Audit Report                                                                                                                       | 11.08.2022 and separate report of 2022-23                   |               |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for expansion for which EC was issued earlier by DEIAA on 23.01.2018 and lease was in effect from 12.11.2010 with QL No. 758. The Proponent submitted CCR from KSPCB dated 10.11.2023 and audit report till 2022-23 certified from DMG. The Proponent had obtained transfer of EC from SEIAA on 13.10.2021.

There is an existing cart track road to a length of 900 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



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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. Proponent submitted an undertaking for complying with the conditions stipulated by MoEF&CC OM dated: 28.04.2023.

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 17,02,978 tons(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 1,02,041 tons / Annum (including waste), with following consideration,

1. Proponent agreed to asphalt the approach road to the quarry and road connecting the crusher as per norms before commencing expansion in quantity
2. To grow trees all along the approach road and towards habitation during the first year of operation.
3. To comply with the observation of KSPCB in CCR.
4. Proponent agreed to carry out regular health check-up for the workers in the near by Hospital.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CTR activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*



2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall maintain and upkeep the approach road so as to minimize dust pollution.
6. The PP shall construct guriand drain around the project site.
7. The PP shall comply with the observation in CCR issued by KSPCB.
8. The PP shall grow trees all along the approach road during the first year of operation.
9. The PP shall carry out regular health checkup for the workers in the nearby Hospital.

**248.1.27. Expansion of Building Stone Quarry Project at Haralur Byrasandra Village, Tumkur Taluk & District (1-00 Acre) (vide QL No.755) by M/s. Kalleshwara Stone Crusher - Online Proposal No.SIA/KA/MIN/409731/2022 (SEIAA 539 MIN 2022)**

M/s. Kalleshwara Stone Crusher have applied for Environmental clearance from SEIAA for Expansion of Building Stone Quarry Project at Sy.No.68(P) of Haralur Byrasandra Village, Tumkur Taluk & District (1-00 Acre) (vide QL No.755)

Details of the project are as follows:

| Sl.No         | PARTICULARS                              | INFORMATION PROVIDED BY PP                                                                                                                                                                                                                                                                                                                        |          |           |               |               |               |               |               |               |               |               |
|---------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1             | Name & Address of the Projects Proponent | M/s. Kalleshwara Stone Crusher                                                                                                                                                                                                                                                                                                                    |          |           |               |               |               |               |               |               |               |               |
| 2             | Name & Location of the Project           | Expansion of Building Stone Quarry Project at Sy No.68(P) of Haralur Byrasandra Village, Tumkur Taluk & District (1-00 Acre) (vide QL No.755)                                                                                                                                                                                                     |          |           |               |               |               |               |               |               |               |               |
|               |                                          | <table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 13°16'00.7"</td> <td>E 77°08'57.3"</td> </tr> <tr> <td>N 13°16'00.7"</td> <td>E 77°08'59.9"</td> </tr> <tr> <td>N 13°16'59.1"</td> <td>E 77°08'00.0"</td> </tr> <tr> <td>N 13°16'59.1"</td> <td>E 77°08'57.3"</td> </tr> </tbody> </table> | Latitude | Longitude | N 13°16'00.7" | E 77°08'57.3" | N 13°16'00.7" | E 77°08'59.9" | N 13°16'59.1" | E 77°08'00.0" | N 13°16'59.1" | E 77°08'57.3" |
| Latitude      | Longitude                                |                                                                                                                                                                                                                                                                                                                                                   |          |           |               |               |               |               |               |               |               |               |
| N 13°16'00.7" | E 77°08'57.3"                            |                                                                                                                                                                                                                                                                                                                                                   |          |           |               |               |               |               |               |               |               |               |
| N 13°16'00.7" | E 77°08'59.9"                            |                                                                                                                                                                                                                                                                                                                                                   |          |           |               |               |               |               |               |               |               |               |
| N 13°16'59.1" | E 77°08'00.0"                            |                                                                                                                                                                                                                                                                                                                                                   |          |           |               |               |               |               |               |               |               |               |
| N 13°16'59.1" | E 77°08'57.3"                            |                                                                                                                                                                                                                                                                                                                                                   |          |           |               |               |               |               |               |               |               |               |
| 3             | Type Of Mineral                          | Building Stone Quarry                                                                                                                                                                                                                                                                                                                             |          |           |               |               |               |               |               |               |               |               |
| 4             | New / Expansion / Modification           | Expansion                                                                                                                                                                                                                                                                                                                                         |          |           |               |               |               |               |               |               |               |               |

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|    |                                                                                                                                    |                                                            |
|----|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
|    | / Renewal                                                                                                                          |                                                            |
| 5  | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]                                                           | Government                                                 |
| 6  | Area in Acres                                                                                                                      | 1-00 Acre                                                  |
| 7  | Annual Production (Metric Ton / Cum) Per Annum                                                                                     | 45,918 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                                                                                        | 4,77,927 Tones (including waste)                           |
| 10 | Permitted Quantity Per Annum - Cu.m / Ton                                                                                          | 45,000 Tones / Annum (excluding waste)                     |
| 11 | CFR Activities: To grow 150 trees along the approach road and to provide infrastructure facilities to nearby Govt. School/Hospital |                                                            |
| 12 | EMP Budget                                                                                                                         | Rs. 20 lakhs (Capital Cost) & Rs. 5 lakhs (Recurring cost) |
| 13 | Forest NOC                                                                                                                         | 30.07.2016                                                 |
| 14 | Quarry plan                                                                                                                        | 24.11.2022                                                 |
| 15 | Cluster certificate                                                                                                                | 05.12.2022                                                 |
| 16 | CCR                                                                                                                                | 10.11.2023                                                 |
| 17 | Audit Report                                                                                                                       | 11.08.2022 and separated report for 2022-23                |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for expansion for which EC was issued earlier by DEIAA on 23.01.2018 and lease was in effect from 29.07.2010 with QL No. 755. The Proponent submitted CCR from KSPCB dated 10.11.2023 and audit report till 2022-23 certified from DMC. The Proponent had obtained transfer of EC from SEIAA on 13.10.2021.

There is an existing cart track road to a length of 450 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 & the road connecting the crusher as per IRC standard norms and to grow trees all along the approach road, for which the Proponent agreed. Proponent submitted an undertaking for complying with the conditions stipulated by MoEF&CC OM dated: 28.04.2023.

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 4,77,927 tonns(including waste) and estimated the life of mine to be coterminous with lease period.

The Committee after discussion decided to recommend the proposal to SELAA for issue of Environmental Clearance for an annual production of 45,918 tonns / Annum (including waste), with following consideration,

1. Proponent agreed to asphalt the approach road to the quarry and road connecting the crusher as per norms before commencing expansion in quantity
2. To grow trees all along the approach road and towards habitation during the first year of operation.
3. To comply with the observation of KSPCB in CCR.
4. Proponent agreed to carry out regular health check-up for the workers in the near by Hospital.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.*
2. *The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.*
3. *The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.*
4. *Dust suppression measures have to be strictly followed.*
5. *The PP shall maintain and upkeep the approach road so as to minimize dust pollution.*
6. *The PP shall construct gulland drain around the project site.*
7. *The PP shall comply with the observation in CCR issued by KSPCB.*





8. The PP shall grow trees all along the approach road during the first year of operation.
9. The PP shall carry out regular health checkup for the workers in the nearby Hospital.

**248.1.28. Grey Granite Quarry Project at Sy.No.618(P) of Mudugal Village, Lingasugur Taluk, Raichur District (32.38 Ha) (Q.L.No.5956) by M/s. Karnataka State Minerals Corporation Ltd. - Online Proposal No.SIA/KA/MIN/436378/2023 (SEIAA 146 MIN 2021)**

M/s. Karnataka State Minerals Corporation Ltd. have applied for Environmental clearance from SEIAA for Grey Granite Quarry Project at Sy.No.618(P) of Mudugal Village, Lingasugur Taluk, Raichur District (32.38 Ha) (Q.L.No.5956)

Details of the project are as follows:

| Sl.No. | PARTICULARS                              | INFORMATION PROVIDED BY PP                                                                                                  |
|--------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1      | Name & Address of the Projects Proponent | M/s. Karnataka State Minerals Corporation Ltd.                                                                              |
| 2      | Name & Location of the Project           | Grey Granite Quarry Project at Sy.No.618(P) of Mudugal Village, Lingasugur Taluk, Raichur District (32.38 Ha) (Q.L.No.5956) |



*(Signature)*



|   |                                                                          |                                     |                  |
|---|--------------------------------------------------------------------------|-------------------------------------|------------------|
|   |                                                                          | 15°59'56.3064E N                    | 76°28'13.43370 E |
|   |                                                                          | 15°59'59.8296E N                    | 76°28'08.87561 E |
|   |                                                                          | 15°59'56.56414 N                    | 76°28'02.34312 E |
|   |                                                                          | 15°59'55.90415 N                    | 76°28'09.17538 E |
|   |                                                                          | 15°59'53.51564 N                    | 76°28'11.80528 E |
|   |                                                                          | 15°59'50.51169 N                    | 76°28'09.94223 E |
|   |                                                                          | 15°59'52.51538 N                    | 76°28'07.35595 E |
|   |                                                                          | 15°59'52.86660 N                    | 76°28'07.91815 E |
|   |                                                                          | 15°59'50.09774 N                    | 76°28'07.29913 E |
|   |                                                                          | 15°59'48.61058 N                    | 76°28'06.71756 E |
|   |                                                                          | 15°59'48.63732 N                    | 76°28'10.15681 E |
|   |                                                                          | 15°59'43.88895 N                    | 76°28'10.55175 E |
|   |                                                                          | 15°59'48.78485 N                    | 76°28'11.62765 E |
|   |                                                                          | 15°59'48.50210 N                    | 76°28'08.43875 E |
|   |                                                                          | 15°59'43.32134 N                    | 76°28'06.93825 E |
|   |                                                                          | 15°59'44.9020 N                     | 76°28'06.1005 E  |
|   |                                                                          | 15°59'44.4020 N                     | 76°28'06.5005 E  |
|   |                                                                          | 15°59'40.27519 N                    | 76°28'06.37074 E |
|   |                                                                          | 15°59'40.11697 N                    | 76°28'03.57092 E |
|   |                                                                          | 15°59'46.0560 N                     | 76°28'03.1000 E  |
|   |                                                                          | 15°59'46.64545 N                    | 76°28'03.73814 E |
|   |                                                                          | 15°59'41.50046 N                    | 76°28'02.72404 E |
|   |                                                                          | 15°59'42.26996 N                    | 76°28'05.67214 E |
|   |                                                                          | 15°59'05.81299 N                    | 76°28'09.03622 E |
|   |                                                                          | 15°59'08.85036 N                    | 76°28'18.57567 E |
|   |                                                                          | 15°59'10.95748 N                    | 76°28'19.33330 E |
|   |                                                                          | 15°59'15.71582 N                    | 76°28'19.22424 E |
|   |                                                                          | 15°59'27.65802 N                    | 76°28'18.63882 E |
|   |                                                                          | 15°59'29.38742 N                    | 76°28'19.22424 E |
|   |                                                                          | 15°59'32.28432 N                    | 76°28'17.31191 E |
|   |                                                                          | 15°59'33.57157 N                    | 76°28'14.48822 E |
| 3 | Type Of Mineral                                                          | Grey Granite Quarry Project         |                  |
| 4 | New/Expansion/Modification/Renewal                                       | Renewal                             |                  |
| 5 | Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other] | Government                          |                  |
| 6 | Area in Acres                                                            | 32.38 Ha                            |                  |
| 7 | Annual Production (Metric Ton / Cum) Per Annum                           | 48,000 Cum/ Annum (including waste) |                  |
| 8 | Project Cost (Rs. In Crores)                                             | Rs.1.75 Crores (Rs.175 Lakhs)       |                  |

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|    |                                                                                                                                                                                                     |                                                                 |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 9  | Proved Quantity of mine/ Quarry-<br>Cu.m / Ton                                                                                                                                                      | 46,21,590 Cum (including waste)                                 |
| 10 | Permitted Quantity Per Annum -<br>Cu.m / Ton                                                                                                                                                        | 43,200 Cum/ Annum (recovery)                                    |
| 11 | CER Activities: To provide infrastructure facilities to Govt. Schools namely; Govt. Higher Primary School, Mudagalla & Govt. Higher Primary School, Halepete, Lingasuguru Taluk, Raichuru District. |                                                                 |
| 12 | EMP Budget                                                                                                                                                                                          | Rs. 3.50 Lakhs (Capital Cost) & Rs. 3.40 Lakhs (Recurring cost) |
| 13 | Quarry plan                                                                                                                                                                                         | 28.09.2021                                                      |
| 14 | Cluster certificate                                                                                                                                                                                 | 03.11.2023                                                      |
| 15 | Notification                                                                                                                                                                                        | 29.05.2020                                                      |
| 16 | Forest NoC                                                                                                                                                                                          | 09.11.2023                                                      |
| 17 | Audit Report                                                                                                                                                                                        | 31.10.2023                                                      |
| 18 | Revenue                                                                                                                                                                                             | 06.07.2001                                                      |
| 19 | PH                                                                                                                                                                                                  | 17.02.2023                                                      |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of FC and the extract of the proceedings of the Committee meeting is as below:

The Proponent informed the Committee that the proposal is for renewal of a lease which was granted earlier on 08.03.1990, with QL No. 5956 which has been non-operational since 2010-11 till date and justified the same as per the audit report issued by DMG dated 31.10.2023. ToR was issued by SEIAA on 27.08.2021 and amendment to ToR on 28.06.2022 and public hearing was conducted on 17.02.2023. The Proponent submitted forest NoC dated 09.11.2023, the Committee noted that the submitted Forest NoC was not clear, whether the applied area is forest land or not. Hence, the Member Secretary, SEAC, through telephonic conversation on 15.11.2023 at 2.28PM confirmed with DFO of Raichur that the applied area is outside the forest area. Accordingly, the Committee noted the details informed by Member Secretary, SEAC and appraised the project.

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 2010-11 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 2010-11 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 as per SOP issued by MoEF&CC, Dated:07.07.2021.

There is an existing cart track road to a length of 500meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after concreting 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 46,21,590 cum (including waste) and estimated the life of mine to be co-terminus with lease period.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 48,000 cum/ Annum (including waste), with following consideration.

1. Proponent agreed to concrete the approach road to the quarry
2. To grow trees all along the approach road during the first year of operation.
3. To take up nearby lake rejuvenation under CER activities.
4. Proponent agreed to carry out regular health checkup for the workers in the near by Hospital

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*







4. Since there is substantial quantity of generation of waste from the quarry activity, all due precautions with respect to environment management aspects of waste dump shall be observed.

**Additional Conditions:**

1. The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.
2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall maintain and upkeep the approach road so as to minimize dust pollution.
6. The PP shall take up nearby lake rejuvenation under CER activities
7. The PP shall grow trees all along the approach road during the first year of operation.
8. The PP shall carry out regular health checkup for the workers in the nearby Hospital.

**Industry Projects:**

**248.1.29. Sponge Iron Plate Project at Dindadhahalli Village, Chitradurga Taluk & District by M/s. Sri Vijaya Durga Devi Minerals - Online Proposal No.SIA/KA/IND1/450742/2023 (SEIAA 01 IND 2023)**

M/s. Sri Vijaya Durga Devi Minerals have applied for Environmental clearance from SEIAA for Sponge Iron Plate Project at Dindadhahalli Village, Chitradurga Taluk & District

Details of the project are as follows:



| Sl No. | Particulars                                                                                                          | Information Provided By PP                                                                                                                                                                          |
|--------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Name of the project proponent.                                                                                       | M/s. Sri Vijaya Durga Devi Minerals                                                                                                                                                                 |
| 2      | Name & Location of the project:                                                                                      | M's. SRI VIJAYA DURGA DEVI MINERALS<br>H.No. 35/94, Ramnagar 1 <sup>st</sup> Cross, Havambhavi,<br>Siraguppa Road, Bellary District-583104                                                          |
| 3      | New 'expansion' modification<br>Product mix change.                                                                  | New                                                                                                                                                                                                 |
| 4      | Capacity                                                                                                             | Sponge Iron Plant - 2X 50 TPD + 1 X 90 TPD                                                                                                                                                          |
| 5      | Plot Area                                                                                                            | 4.00 Acres (1.618 Ha)                                                                                                                                                                               |
| 6      | Built Up Area                                                                                                        | 4.00 Acres (1.618 Ha)                                                                                                                                                                               |
| 7      | Land use pattern<br>Green Belt Coverage - % of total<br>area (trees proposed)<br>Ground Cover area<br>Kharab, Others | Area for raw materials storage - 0.25 acres<br>Area for buildings (plant & Non-plant) - 1.75 Acres<br>Roads, drains & other open areas - 0.65 Acres<br>Area for Green Belt Development - 1.35 Acres |
| 8      | Project Cost                                                                                                         | 35.0 Crores                                                                                                                                                                                         |
| 9      | Type of Industries                                                                                                   | Sponge Iron Plant category 3(a) as per EIA<br>Notification 2006                                                                                                                                     |
| 10     | Source of water -operational phase:                                                                                  | Ground Water                                                                                                                                                                                        |
| 11     | Total Water Requirement (Domestic<br>+ Industrial) in KLD                                                            | 246.0 KLD                                                                                                                                                                                           |
| 12     | Fresh Water in KLD<br>Recycled water in KLD                                                                          | 240 KLD<br>6 KLD                                                                                                                                                                                    |
| 13     | Total waste water generation in KLD                                                                                  | -                                                                                                                                                                                                   |
| 14     | Total effluents generation in KLD                                                                                    | -                                                                                                                                                                                                   |
| 15     | Scheme of disposal of excess treated<br>water                                                                        | -                                                                                                                                                                                                   |
| 16     | Quantity of Tailings and its<br>management                                                                           | -                                                                                                                                                                                                   |
| 17     | ETP Capacity                                                                                                         | -                                                                                                                                                                                                   |
| 18     | STP Capacity                                                                                                         | 250 KLD                                                                                                                                                                                             |

|    |                                         |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                           |                              |                                |
|----|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------|--------------------------------|
| 19 | Type of waste Generation & its Disposal | Waste/by Product generated                                                                                                                                                                                                                                                                                                                                             | Proposed points of focus                                                                  |                              |                                |
|    |                                         | Coal fines & char                                                                                                                                                                                                                                                                                                                                                      | Will be sold to nearby power plant/brick making units                                     |                              |                                |
|    |                                         | Kiln accretions                                                                                                                                                                                                                                                                                                                                                        | Will be used for filling in low lying areas and levelling                                 |                              |                                |
|    |                                         | Process Dust                                                                                                                                                                                                                                                                                                                                                           | Will be collected and stored in a designated area for sale to nearby agglomeration plants |                              |                                |
| 20 | Solid Waste                             | Coal fines & char, Kiln accretions, Process Dust                                                                                                                                                                                                                                                                                                                       |                                                                                           |                              |                                |
| 21 | Hazardous Waste and its handling        | Used oil waste oil- 350 Ltrs/year (approx.)<br>Disposal Mode: It will supply to the authorized recycler                                                                                                                                                                                                                                                                |                                                                                           |                              |                                |
| 22 | CER Activities                          | <b>PROPOSED ESC ACTIVITIES</b><br>Construction of W.C. Toilet (2) each - 2 numbers in school<br>Drinking Water Infrastructure<br>Construction of metal consolidation road (1 km) in village<br>Development of Community Hall - Total 1 nos.<br>Local Village Pond upgradation - 1 ponds<br>Street Lighting (solar) provision at suitable public places<br><b>TOTAL</b> |                                                                                           |                              |                                |
| 23 | EMP Budget                              | Sl. No                                                                                                                                                                                                                                                                                                                                                                 | Particulars                                                                               | Capital Cost (Rs. in Crores) | Recurring Cost (Rs. in Crores) |
|    |                                         | 1                                                                                                                                                                                                                                                                                                                                                                      | Air Pollution Management                                                                  | 5.5                          | 0.55                           |
|    |                                         | 2                                                                                                                                                                                                                                                                                                                                                                      | Waste water Management                                                                    | 1.5                          | 0.15                           |
|    |                                         | 3                                                                                                                                                                                                                                                                                                                                                                      | Solid waste Management                                                                    | 0.7                          | 0.07                           |
|    |                                         | 4                                                                                                                                                                                                                                                                                                                                                                      | Greenbelt development, Land reclamation                                                   | 0.45                         | 0.045                          |
|    |                                         | 5                                                                                                                                                                                                                                                                                                                                                                      | Noise Management                                                                          | 0.3                          | 0.03                           |
|    |                                         | 6                                                                                                                                                                                                                                                                                                                                                                      | Occupational Health Management                                                            | 0.7                          | 0.07                           |
|    |                                         | 7                                                                                                                                                                                                                                                                                                                                                                      | Risk Mitigation & Safety Plan                                                             | 0.3                          | 0.03                           |
|    |                                         | 8                                                                                                                                                                                                                                                                                                                                                                      | Environmental Monitoring                                                                  | 0.2                          | 0.025                          |
|    |                                         |                                                                                                                                                                                                                                                                                                                                                                        | <b>Sub Total</b>                                                                          | <b>7.75</b>                  | <b>1.02</b>                    |
|    |                                         | 9                                                                                                                                                                                                                                                                                                                                                                      | Budget for Public Hearing                                                                 | 2.59                         | -                              |
|    |                                         | 10                                                                                                                                                                                                                                                                                                                                                                     | Budget for EIP                                                                            | -                            | 0.12                           |
|    |                                         |                                                                                                                                                                                                                                                                                                                                                                        | <b>Total</b>                                                                              | <b>15.34</b>                 | <b>1.14</b>                    |
|    | EMP Construction, Operation.            | <b>AIR</b><br>- Asphaltting of the connecting road and maintenance.<br>- Water sprinkling and dry fog type dust suppression system will be provided.<br>- The greenbelt & plantation will be developed in and around the plant.<br><b>NOISE (Construction Phase)</b><br>- Selection of low noise generation machinery/equipment.                                       |                                                                                           |                              |                                |

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|----|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                  | <ul style="list-style-type: none"> <li>➤ All vehicles will adhere to minimize the noise</li> </ul> <p><b>NOISE (Operation Phase)</b></p> <ul style="list-style-type: none"> <li>➤ The most of the equipment shall be designed to comply with the stipulated limit of 85dB(A)</li> <li>➤ Vibration isolators will be provided to reduce vibration and noise wherever possible.</li> </ul> <p><b>WATER (Construction Phase)</b></p> <ul style="list-style-type: none"> <li>➤ Proper drainage of wastewater from the construction sites will be made so that such waters do not form stagnant pools nor aggravate soil erosion.</li> <li>➤ Proper and effective Environmental Management Planning will be implemented to minimize the water usage.</li> </ul> <p><b>WATER (Operation Phase)</b></p> <ul style="list-style-type: none"> <li>➤ The wastewater generated will be treated and reused in circuit again and again.</li> <li>➤ The tailing pond will be designed such that no waste water will percolate and mix with ground water.</li> </ul> <p><b>SOIL (Construction Phase)</b></p> <ul style="list-style-type: none"> <li>➤ Water spraying shall be carried out on the roads inside the plant where vehicles carrying materials.</li> <li>➤ The materials brought for construction will be stored covered with plastic tarpaulin sheets and all the discarded materials will be disposed of regularly and shall keep the place neat.</li> </ul> <p><b>SOIL (Operation Phase)</b></p> <ul style="list-style-type: none"> <li>➤ Dust emissions sources due to vehicular movement will be sprayed by water.</li> <li>➤ Parking areas shall be identified. Unnecessary idling of vehicular movements shall be restricted. Vehicle speed shall be restricted to &lt;15 kmph.</li> </ul> |
| 24 | EMP<br>DRI Plant | <p><b><u>ACTION PLAN FOR CONTROL OF STACK EMISSION MEASURES</u></b></p> <ul style="list-style-type: none"> <li>➤ The waste gas generated in DRI process will be re-circulated generate electricity through WHRB power plant.</li> <li>➤ Wet scrubbing and Electrostatic precipitator (ESP) will be part of environment management system to clean the gases from DRI.</li> <li>➤ Regular cleaning and maintenance of the air pollution control system will be carried out.</li> <li>➤ The height of the chimneys will be increased based on requirement</li> <li>➤ Apart from road transport, the transportation of</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

- coal and other material will be preferably done by railway.
- Coal will be stored in a closed shed.

**MEASURES FOR FUGITIVE EMISSION CONTROL**

- The vehicle carrying coal and iron ore will be covered with tarpaulin.
- All Internal roads will be cemented to prevent the fugitive dust emission due to vehicular movement.
- Speed limit in plant premises will be in control.
- All transportation vehicles carry will carry a valid PUC (Pollution under Control) Certificate.
- Proper traffic management is being will be undertaken.
- Proper servicing & maintenance of vehicles is being will be carried out.
- Adequate green belt development.
- Dust masks are being will be provided to workers coming in direct contact of fugitive emissions.
- Water Sprinkling-Dry fog type dust suppression system will be provided.
- Adequate spares of critical components of dust and gas collection systems to ensure trouble-free operations.
- Ambient air quality is being will be regularly monitored to keep a check on the emissions of different pollutants.



Shankar



|    |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                           |                              |                                      |
|----|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------|--------------------------------------|
| 10 | Types of waste Generation & its Disposal | Waste by Product generated                                                                                                                                                                                                                                                                                                                                                                                                         | Proposed point of receipt                                                                 |                              |                                      |
|    |                                          | Coal fines & char                                                                                                                                                                                                                                                                                                                                                                                                                  | Will be sold to nearby power plant brick making units                                     |                              |                                      |
|    |                                          | Kiln accretions                                                                                                                                                                                                                                                                                                                                                                                                                    | Will be used for filling in low lying areas and levelling                                 |                              |                                      |
|    |                                          | Process Dust                                                                                                                                                                                                                                                                                                                                                                                                                       | Will be collected and stored in a designated area for sale to nearby agglomeration plants |                              |                                      |
| 11 | Solid Waste                              | Coal fines & char, Kiln accretions, Process Dust                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                           |                              |                                      |
| 11 | Hazardous Waste and its handling         | Used oil waste oil- 250 Ltrs/year (approx)<br>Disposal Mode: It will supply to the authorized recycler                                                                                                                                                                                                                                                                                                                             |                                                                                           |                              |                                      |
| 12 | CER Activities                           | <b>PROPOSED ESC ACTIVITIES</b>                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                           |                              |                                      |
|    |                                          | Construction of W.C Toilet (2) each - 2 numbers in each                                                                                                                                                                                                                                                                                                                                                                            |                                                                                           |                              |                                      |
|    |                                          | Drinking Water Infrastructure                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                           |                              |                                      |
|    |                                          | Construction of rural consolidation road (1 km) in village                                                                                                                                                                                                                                                                                                                                                                         |                                                                                           |                              |                                      |
|    |                                          | Development of Community Hall - Total 1 nos.                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |                              |                                      |
|    |                                          | Local Village Pond upgradation - 1 ponds                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                           |                              |                                      |
|    |                                          | Street Lighting (solar) provision at suitable public places                                                                                                                                                                                                                                                                                                                                                                        |                                                                                           |                              |                                      |
|    |                                          | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |                              |                                      |
| 15 | EMP Budget                               | S. No                                                                                                                                                                                                                                                                                                                                                                                                                              | Particulars                                                                               | Capital Cost (Rs. in Crores) | Recurring Cost Annum (Rs. in Crores) |
|    |                                          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                  | Air Emission Management                                                                   | 5.5                          | 0.55                                 |
|    |                                          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                  | Wastewater Management                                                                     | 1.5                          | 0.15                                 |
|    |                                          | 3                                                                                                                                                                                                                                                                                                                                                                                                                                  | Solid waste Management                                                                    | 0.7                          | 0.07                                 |
|    |                                          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                  | Greenbelt development, Land scaping                                                       | 0.45                         | 0.045                                |
|    |                                          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                  | Noise Management                                                                          | 0.8                          | 0.08                                 |
|    |                                          | 6                                                                                                                                                                                                                                                                                                                                                                                                                                  | Occupational Health Management                                                            | 0.7                          | 0.07                                 |
|    |                                          | 7                                                                                                                                                                                                                                                                                                                                                                                                                                  | Risk Mitigation & Safety Plan                                                             | 0.3                          | 0.03                                 |
|    |                                          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                  | Environmental Monitoring                                                                  | 0.2                          | 0.02                                 |
|    |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Sub Total</b>                                                                          | <b>7.75</b>                  | <b>1.02</b>                          |
|    |                                          | 9                                                                                                                                                                                                                                                                                                                                                                                                                                  | Budget for Public Hearing                                                                 | 7.59                         | -                                    |
|    |                                          | 10                                                                                                                                                                                                                                                                                                                                                                                                                                 | Budget for CER                                                                            | -                            | 0.12                                 |
|    |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Total</b>                                                                              | <b>15.34</b>                 | <b>1.14</b>                          |
|    | EMP Construction, Operation.             | <b>AIR</b> <ul style="list-style-type: none"> <li>Asphalting of the connecting road and maintenance.</li> <li>Water sprinkling and dry fog type dust suppression system will be provided.</li> <li>The greenbelt &amp; plantation will be developed in and around the plant.</li> </ul> <b>NOISE (Construction Phase)</b> <ul style="list-style-type: none"> <li>Selection of low noise generation machinery/equipment.</li> </ul> |                                                                                           |                              |                                      |

Received

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for establishing sponge iron plant of 2x501PD & 1x90TPD. ToR was issued by SEIAA on 06.01.2023 and public hearing was conducted on 23.08.2023. The Proponent informed that the proposed land is non forest land and had obtained land conversion for the proposed activity.

During the appraisal, the Committee sought details regarding handling of flue gasses, details of railway line, handling of waste heat generated in the process. The Proponent informed the Committee that in the proposed project they will be incorporating environmentally sound technology for recycling flue gas by using advanced emission control techniques like scrubbers, electrostatic precipitators, or fabric filters to remove these pollutants before they are released into the atmosphere and for controlling fugitive emission, concreting the internal roads, adequate green belt development, regular sprinkling of water(dry fog, dust suppressing system), regular monitoring of ambient air quality, transport vehicles considered with Pollution under control certificate, etc to be undertaken. The Proponent informed that they had provided sufficient buffer of 30mtrs from the edge of project boundary to the railway line. Regarding waste heat generated Proponent informed that there is no captive power generation proposed and entire power is obtained from BESCO. The Committee informed the Proponent to take additional dust mitigation measures towards the village.

Further the Proponent informed about the control measures that would be taken for sponge iron plant such as action plan for control of stack emission measures and informed about the methods that would be implemented in the proposed project.

The Proponent has 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 and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area to reduce dependency on groundwater.

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

1. To adhere to the compliance given in response to the opinion of public expressed during public hearing

2. To carry three rows of plantation all along the boundary of the project and approach road to the industry and towards the village side/
3. Proponent agreed to retain the natural drains with buffers.
4. To provide STP within the site area.
5. To manage waste heat with proper mitigation measures.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP shall adhere to the compliance given in response to the opinion of public expressed during public hearing*
2. *The PP shall carry three rows of plantation all along the boundary of the project and approach road to the industry and towards the village side/*
3. *The PP shall retain the natural drains with buffers.*
4. *The PP shall provide STP within the site area.*
5. *The PP shall manage waste heat with proper mitigation measures.*
6. *The PP shall implement covered storage areas for raw material to prevent it being air borne which may also be one of the reasons for factors leading to prevailing Air Quality in the area.*
7. *The PP shall do plantation all along the periphery of the project site and internal areas of the plant with large canopy vegetation.*

**248.1.30. Mineral Beneficiation Plant Project at Dindadhahalli Village, Chitradurga Taluk & District by M/s. Sri Vijaya Durga Devi Minerals - Online Proposal No.SIA/K/IND1/450732/2023 (SEIAA 02 IND 2023).**

M/s. Sri Vijaya Durga Devi Minerals have applied for Environmental clearance from SEIAA for Mineral Beneficiation Plant Project at Dindadhahalli Village, Chitradurga Taluk & District.



Details of the project are as follows:

| M/s. Sri Vijaya Durga Devi Minerals |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-----------------------------|------|---------------------|------|---------------------|------|-----------------------|------|-----------------------------|------|-----------------------|------|----------------|------|-------------|---|-------|------|
| Sl. No.                             | Particulars                                                                                                        | Information Provided By PP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 1                                   | Name of the project proponent:                                                                                     | M/s. Sri Vijaya Durga Devi Minerals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 2                                   | Name & Location of the project.                                                                                    | M/s. SRI VIJAYA DURGA DEVI MINERALS<br>H.No. 35/94,<br>Ramnagar 1st Cross<br>Havambhevi,<br>Siruguppa Road,<br>Bellary District,<br>Karnataka -583154                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 3                                   | New expansion/ modification<br>Product mix change:                                                                 | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 4                                   | Capacity                                                                                                           | 4,95,000 TPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 5                                   | Plot Area                                                                                                          | 5.01 Acres (2.03 Ha)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 6                                   | Built Up Area                                                                                                      | 5.01 Acres (2.03 Ha)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 7                                   | Land use pattern<br>Green Belt Coverage - % of total area (trees proposed)<br>Ground Cover area<br>Kharab. Others. | <table border="1"> <thead> <tr> <th>Particulars</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>Area for Washing Plant Area</td> <td>0.39</td> </tr> <tr> <td>Area for Green Belt</td> <td>0.46</td> </tr> <tr> <td>Area for New Ground</td> <td>0.19</td> </tr> <tr> <td>Area for Tailing pond</td> <td>0.42</td> </tr> <tr> <td>Area for Statutory Building</td> <td>0.06</td> </tr> <tr> <td>Area for Tailing Dump</td> <td>0.22</td> </tr> <tr> <td>Area for Roads</td> <td>0.09</td> </tr> <tr> <td>Unused Area</td> <td>-</td> </tr> <tr> <td>Total</td> <td>2.03</td> </tr> </tbody> </table> | Particulars | Area in Ha | Area for Washing Plant Area | 0.39 | Area for Green Belt | 0.46 | Area for New Ground | 0.19 | Area for Tailing pond | 0.42 | Area for Statutory Building | 0.06 | Area for Tailing Dump | 0.22 | Area for Roads | 0.09 | Unused Area | - | Total | 2.03 |
| Particulars                         | Area in Ha                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| Area for Washing Plant Area         | 0.39                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| Area for Green Belt                 | 0.46                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| Area for New Ground                 | 0.19                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| Area for Tailing pond               | 0.42                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| Area for Statutory Building         | 0.06                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| Area for Tailing Dump               | 0.22                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| Area for Roads                      | 0.09                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| Unused Area                         | -                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| Total                               | 2.03                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 8                                   | Project Cost                                                                                                       | 13.95 Crores                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 9                                   | Type of industries                                                                                                 | Mineral Beneficiation plant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 10                                  | Source of water -operational phase.                                                                                | Ground Water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 11                                  | Total Water Requirement (Domestic + Industrial) in KLD                                                             | 136.0 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 12                                  | Fresh Water in KLD<br>Recycled water in KLD                                                                        | 128 KLD<br>8 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 13                                  | Total waste water generation in KLD                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 14                                  | Total effluents generation in KLD                                                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 15                                  | Scheme of disposal of excess treated water                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |
| 16                                  | Quantity of Tailings and its management                                                                            | 100 TPD<br>The tailings will be sold to the cement plant in the form                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |            |                             |      |                     |      |                     |      |                       |      |                             |      |                       |      |                |      |             |   |       |      |

|                                  |                                                               | of cake.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                            |                                   |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
|----------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------|----------------------|------------|-----------------------|-----------------------|--------------------------------------------------------------|----|----------------------------------------------|----|------------------------------------------------|----|--|--|-------------------------|----------------------------------------|----|--------------------------------------------|---|----------------------------------|---------------------|----|------------------------------------------------------------|---|---------------------------------------------------------------|--------------------------|------------------------|--------------------------------------|---|----|----|
| 17                               | ETP Capacity                                                  | .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                            |                                   |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
| 18                               | STP Capacity                                                  | 140 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                            |                                   |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
| 19                               | Types of waste Generation & its Disposal                      | The major solid waste that will be generated from the proposed plant will be the iron ore tailings, which will be utilized for brick/tiles manufacturing or will be sold to cement manufacturers in the region.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                            |                                   |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
| 20                               | Solid Waste                                                   | The major solid waste that will be generated from the proposed plant will be the iron ore tailings, which will be utilized for brick/tiles manufacturing or will be sold to cement manufacturers in the region.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                            |                                   |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
| 21                               | Hazardous Waste and its handling                              | Used oil/waste oil- 500 Ltrs/year (approx.)<br>Disposal Mode: It will supply to the authorized recyclers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                            |                                   |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
| 22                               | CER Activities                                                | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                            |                                   |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
| 23                               | E&P Budget                                                    | <table border="1"> <thead> <tr> <th>Environmental parameters</th> <th>Environment management activities</th> <th>Capital Cost (Lakhs)</th> <th>Activities</th> <th>Recurr Cost (Lakhs/m)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Air Pollution Control</td> <td>Installation of Dedusting system and water sprinkling system</td> <td>10</td> <td>Maintenance of Air pollution Control Systems</td> <td>10</td> </tr> <tr> <td>Installation of bagfilters in the crusher unit</td> <td>10</td> <td></td> <td></td> </tr> <tr> <td>Noise Pollution Control</td> <td>Noise absorber systems in pump houses.</td> <td>10</td> <td>Maintenance of Noise generating equipments</td> <td>5</td> </tr> <tr> <td rowspan="3">Water Pollution and conservation</td> <td>Installation of STP</td> <td rowspan="3">15</td> <td rowspan="3">Maintenance of STP, Desilting of tanks, maintenance of RWH</td> <td rowspan="3">5</td> </tr> <tr> <td>Construction of internal surface water drain and setting pits</td> </tr> <tr> <td>Construction of RWH pond</td> </tr> <tr> <td>Solid waste management</td> <td>Storage of tailing and transport for</td> <td>5</td> <td>--</td> <td>--</td> </tr> </tbody> </table> | Environmental parameters                                   | Environment management activities | Capital Cost (Lakhs) | Activities | Recurr Cost (Lakhs/m) | Air Pollution Control | Installation of Dedusting system and water sprinkling system | 10 | Maintenance of Air pollution Control Systems | 10 | Installation of bagfilters in the crusher unit | 10 |  |  | Noise Pollution Control | Noise absorber systems in pump houses. | 10 | Maintenance of Noise generating equipments | 5 | Water Pollution and conservation | Installation of STP | 15 | Maintenance of STP, Desilting of tanks, maintenance of RWH | 5 | Construction of internal surface water drain and setting pits | Construction of RWH pond | Solid waste management | Storage of tailing and transport for | 5 | -- | -- |
| Environmental parameters         | Environment management activities                             | Capital Cost (Lakhs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Activities                                                 | Recurr Cost (Lakhs/m)             |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
| Air Pollution Control            | Installation of Dedusting system and water sprinkling system  | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Maintenance of Air pollution Control Systems               | 10                                |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
|                                  | Installation of bagfilters in the crusher unit                | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                            |                                   |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
| Noise Pollution Control          | Noise absorber systems in pump houses.                        | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Maintenance of Noise generating equipments                 | 5                                 |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
| Water Pollution and conservation | Installation of STP                                           | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Maintenance of STP, Desilting of tanks, maintenance of RWH | 5                                 |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
|                                  | Construction of internal surface water drain and setting pits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                            |                                   |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
|                                  | Construction of RWH pond                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                            |                                   |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |
| Solid waste management           | Storage of tailing and transport for                          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | --                                                         | --                                |                      |            |                       |                       |                                                              |    |                                              |    |                                                |    |  |  |                         |                                        |    |                                            |   |                                  |                     |    |                                                            |   |                                                               |                          |                        |                                      |   |    |    |

|  |                              |                                                                                                 |    |                                                                                         |                                                                                         |
|--|------------------------------|-------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  |                              | brick manufacturing and mining void filling                                                     |    |                                                                                         |                                                                                         |
|  | Ecology and Biodiversity     | Development of three tier plantation within the plant premises with 690 saplings                | 25 | Regular replacement of sapling maintenance of green belt, watering, watch and ward etc. | 1                                                                                       |
|  | Occupational health & safety | Initial and Periodical medical check up of the workers                                          | 5  | Periodical health checks up                                                             | 4                                                                                       |
|  |                              | Supply of PPEs to the workers                                                                   |    | Replacement of PPEs if required                                                         | 2                                                                                       |
|  | Environment Monitoring       | AAQ Monitoring (One continuous monitoring station at plant site) and 3 location once in a month | 25 |                                                                                         | 10                                                                                      |
|  |                              | Noise Monitoring                                                                                | 3  |                                                                                         | 2                                                                                       |
|  |                              |                                                                                                 |    |                                                                                         | Manual Monitoring<br>AAQM.<br>Fugitive, Water, Noise, Leachate by NABL MoE Approved Lab |
|  |                              | Occupational Health Check up                                                                    | 5  |                                                                                         | 1                                                                                       |

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|                                          |                                   |                                                                                                                                                                                                                                                                                                                                                                |     |                                                                 |    |
|------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------|----|
|                                          |                                   | <b>Sub Total</b>                                                                                                                                                                                                                                                                                                                                               | 133 | Rainwater harvesting pits to the GHPS school in nearby villages | 30 |
|                                          |                                   | <b>Budget for Public Hearing Response</b>                                                                                                                                                                                                                                                                                                                      | 10  |                                                                 | -  |
|                                          |                                   | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                   | 143 |                                                                 | 30 |
| <b>EMP</b><br>Construction.<br>Operation | <b>AIR</b>                        | <ul style="list-style-type: none"> <li>➤ Asphaltting of the connecting road and maintenance</li> <li>➤ Water sprinkling and dry fog type dust suppression system will be provided.</li> <li>➤ The greenbelt &amp; plantation will be developed in and around the plant.</li> </ul>                                                                             |     |                                                                 |    |
|                                          | <b>NOISE (Construction Phase)</b> | <ul style="list-style-type: none"> <li>➤ Selection of low noise generation machinery / equipment.</li> <li>➤ All vehicles will silencers to minimize the noise</li> </ul>                                                                                                                                                                                      |     |                                                                 |    |
|                                          | <b>NOISE (Operation Phase)</b>    | <ul style="list-style-type: none"> <li>➤ The most of the equipment shall be designed to comply with the stipulated limits of 55dB(A).</li> <li>➤ Vibration isolators will be provided to reduce vibration and noise wherever possible.</li> </ul>                                                                                                              |     |                                                                 |    |
|                                          | <b>WATER (Construction Phase)</b> | <ul style="list-style-type: none"> <li>➤ Proper drainage of wastewater from the construction sites will be made, so that such waters do not form stagnant pools nor aggravate soil erosion.</li> <li>➤ Proper and effective Environmental Management Planning will be implemented to minimize the water usage.</li> </ul>                                      |     |                                                                 |    |
|                                          | <b>WATER (Operation Phase)</b>    | <ul style="list-style-type: none"> <li>➤ The wastewater generated will be treated and reused in circuit again and again.</li> <li>➤ The tiding pond will be designed such that no waste water will percolate and mix with ground water.</li> </ul>                                                                                                             |     |                                                                 |    |
|                                          | <b>SOIL (Construction Phase)</b>  | <ul style="list-style-type: none"> <li>➤ Water spraying shall be carried out on the roads inside the plant where vehicles carrying materials.</li> <li>➤ The materials brought for construction will be stored covered with plastic tarpaulin sheets and all the discarded materials will be disposed of regularly and shall keep the place neatly.</li> </ul> |     |                                                                 |    |
|                                          | <b>SOH (Operation Phase)</b>      | <ul style="list-style-type: none"> <li>➤ Dust emissions sources due to vehicular</li> </ul>                                                                                                                                                                                                                                                                    |     |                                                                 |    |

|    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                          | <p>movement will be sprayed by water.</p> <ul style="list-style-type: none"> <li>➤ Parking areas shall be identified. Unnecessary idling of vehicular movements shall be restricted. Vehicle speed shall be restricted to &lt;15 kmph.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 24 | <p>EMP<br/>DRI Plant</p> | <p><b><u>ACTION PLAN FOR CONTROL OF STACK EMISSION MEASURES</u></b></p> <ul style="list-style-type: none"> <li>➤ The waste gas generated in DRI process will be re-circulated generate electricity through WHRB power plant</li> <li>➤ Wet scrubbing and Electrostatic precipitator (ESP) will be part of environment management system to clean the gases from DRI.</li> <li>➤ Regular cleaning and maintenance of the air pollution control system will be carried out.</li> <li>➤ The height of the chimneys will be increased based on requirement.</li> <li>➤ Apart from road transport, the transportation of coal and other material will be preferably done by railway.</li> <li>➤ Coal will be stored in a closed shed.</li> </ul> <p><b><u>MEASURES FOR FUGITIVE EMISSION CONTROL</u></b></p> <ul style="list-style-type: none"> <li>➤ The vehicle carrying coal and iron ore will be covered with tarpaulin.</li> <li>➤ All Internal roads will be cemented to prevent the fugitive dust emission due to vehicular movement.</li> <li>➤ Speed limit in plant premises will be in control.</li> <li>➤ All transportation vehicles carry will carry a valid PUC (Pollution under Control) Certificate.</li> <li>➤ Proper traffic management is being will be undertaken.</li> <li>➤ Proper servicing&amp; maintenance of vehicles is being will be carried out.</li> <li>➤ Adequate greenbelt development.</li> <li>➤ Dust masks are being will be provided to workers coming in direct contact of fugitive emissions.</li> <li>➤ Water Sprinkling Dry fog type dust suppression system will be provided</li> <li>➤ Adequate spares of critical components of dust and gas collection systems to ensure trouble - free operations.</li> <li>➤ Ambient air quality is being will be regularly monitored to keep a check on the emissions of different pollutants.</li> </ul> |

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The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below.

The proposal is for expansion of beneficiation plant from 19,000 MTPA to 4.5 Lakh MTPA. The Proponent informed that for the existing unit, they had obtained EC from SEIAA on 26.04.2016 and for the proposed expansion ToR was issued by SEIAA on 06.01.2023 and public hearing was conducted on 23.08.2023 and the Proponent had obtained CCR from MoEF&CC dated 06.11.2023 informing that the existing unit is not under operation and construction.

During the appraisal, the Committee sought details regarding disposal of tailings, handling of fugitive emissions, cumulative emission details considering existing and proposed plants and details as per village map. The Proponent informed about the control measures that would be taken in and around the beneficiation plant and explained that the proposed project is dry processing unit and hence no tailing would be generated as in wet processing. The tailing would be transported to mines for backfilling of exhausted pit.

The Proponent has 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 and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area to reduce dependency on groundwater.

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

1. To adhere to the compliance given in response to the opinion of public expressed during public hearing (mainly to provide employment for local people).
2. To carry out three rows of plantation all along the boundary of the project and approach road to the industry.
3. Proponent agreed to retain the natural drains with buffers.
4. To provide STP within the site area.
5. To provide stack height more than 30mtrs.
6. To comply with the observations in CCR issued by MoEF&CC.

The Authority perused the proposal and took note of the recommendation of SEAC.

**The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:**

1. If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wildlife Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).
2. Safety measures proposed shall be submitted.
3. A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.

**Additional Conditions:**

1. The PP shall adhere to the compliance given in response to the opinion of public expressed during public hearing (mainly to provide employment for local people).
2. The PP shall carry out three rows of plantation all along the boundary of the project and approach road to the industry.
3. The PP shall retain the natural drains with buffers.
4. The PP shall provide STP within the site area.
5. The PP shall provide stack height more than 30mts.
6. The PP shall comply with the observations in CCR issued by MoEF&CC
7. The PP shall implement covered storage areas for raw material to prevent it being air borne which may also be one of the reasons for factors leading to prevailing Air Quality in the area.
8. The PP shall do plantation all along the periphery of the project site and internal areas of the plant with large canopy vegetation.

**248.1.31. Proposed Formaldehyde: 50 TPD Project at Baikampady Industrial Area, Mangalore Taluk, Dakshina Kannada District by M/s. Akolite Synthetic Resins Unit II - Online Proposal No.SIA/KA/IND3/451184/2022 (SEIAA 09 IND (VIOI) 2023)**

M/s. Akolite Synthetic Resins Unit II have applied for Environmental clearance from SEIAA for Proposed Formaldehyde: 50 TPD Project at Baikampady Industrial Area, Mangalore Taluk, Dakshina Kannada District.

Details of the project are as follows:



8.11.23 167

| SL.No          | PARTICULARS                                            | INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
|----------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------|---------------|--------------------|------|-----------------------|----|----------------------------------|-----|----------|----|-------------------------------------------------------|------|----------------------|---|--------------------------|
| 1.             | Name of the project Proponent                          | Mr. Mohammad Rafiq, Authorised Signatory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 2.             | Name & Location of the project:                        | M/s. Akolite Synthetic Resins Unit II Plot No. 412 & 413, Baikampady KIADB Industrial Area, Surathkal Hobli, Mangalore, Dakshina Kannada District.                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 3.             | New/expansion/modification/product mix change          | The project is under violation category. Formaldehyde manufacturing unit is established and operated without prior EC.                                                                                                                                                                                                                                                                                                                                                                                                        |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 4.             | Plot Area                                              | 1.48 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 5.             | Built Up Area                                          | 0.69 Acres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 6.             | Project Cost                                           | Rs. 11.93 Crores                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 7.             | Component of development:                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 8.             | Source of water -operational phase                     | KIADB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 9.             | Total Water Requirement (Domestic + Industrial) in KLD | 1.5KLD+78.5 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 10.            | Fresh Water in KLD<br>Recycled water in KLD            | 80KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 11.            | Total wastewater generation in KLD                     | 4.3KLD including domestic sewage 1.3 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 12.            | Total effluents generation in KLD                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 13.            | Scheme of disposal of excess treated water             | Treated water will be reused for cooling tower makeup. The effluent generated will be treated and recycled back to system to achieve ZLD                                                                                                                                                                                                                                                                                                                                                                                      |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 14.            | ETP Capacity                                           | 5 KLD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 15.            | STP Capacity                                           | Modular STP of 5 KLD is Proposed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 16.            | Waste Generation & its Disposal                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 17.            | Solid Waste                                            | 3.8 Kg/ Day: Domestic garbage is the only solid waste that would be generated Collected in bins and disposed to waste collection system of local authority                                                                                                                                                                                                                                                                                                                                                                    |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 18.            | Hazardous Waste                                        | <table border="1"> <thead> <tr> <th>Waste category</th> <th>Hazardous waste generated</th> <th>Quantity KG/A</th> <th>Method of handling</th> </tr> </thead> <tbody> <tr> <td>28.1</td> <td>Spent catalyst-silver</td> <td>10</td> <td>Sent to supplier for reclamation</td> </tr> <tr> <td>3.1</td> <td>Used Oil</td> <td>30</td> <td>Sent to KSPCB Authorised collector every three months</td> </tr> <tr> <td>33.1</td> <td>Discarded containers</td> <td>2</td> <td>Stored in safe container</td> </tr> </tbody> </table> | Waste category                                        | Hazardous waste generated | Quantity KG/A | Method of handling | 28.1 | Spent catalyst-silver | 10 | Sent to supplier for reclamation | 3.1 | Used Oil | 30 | Sent to KSPCB Authorised collector every three months | 33.1 | Discarded containers | 2 | Stored in safe container |
| Waste category | Hazardous waste generated                              | Quantity KG/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Method of handling                                    |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 28.1           | Spent catalyst-silver                                  | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sent to supplier for reclamation                      |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 3.1            | Used Oil                                               | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sent to KSPCB Authorised collector every three months |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 33.1           | Discarded containers                                   | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stored in safe container                              |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 19.            | Green Belt Coverage - % of total area                  | 38.6%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |
| 20.            | EMP                                                    | Capital cost Rs. 34 Lakhs, recurring cost.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |                           |               |                    |      |                       |    |                                  |     |          |    |                                                       |      |                      |   |                          |

Received



|     |                |                                                                                                                                                                                                                           |
|-----|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                | Rs. 11 lakhs / annum                                                                                                                                                                                                      |
| 21. | CER Activities | Providing avenue Plantation by Planting 200 tree saplings and securing mangrove trees Rs. 1.0 lakhs earmarked. Lake rejuvenation and improving the vicinity of the Gorpura Lake and Baggundi Lake. Rs. 1 Lakhs earmarked. |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for production of Formaldehyde of capacity 50 TPD Dinplot area of 6000 sqm in KIADB industrial area. The Proponent informed that they had obtained CFE from KSPSC dated 31.05.2013 and has started operation without obtaining EC, hence had applied under violation category as per SoP issued by MoEF&CC dated 07.07.2021. SEIAA had issued ToR on 08.06.2023 and as the proposed unit is located in notified industrial area, the proposal is exempted from Public hearing.

The Proponent as per the provisions in SoP issued by MoEF&CC dated 07.07.2021, submitted the following details,

#### ➤ RAW MATERIAL REQUIREMENT

| Sl. No. | Raw Materials   | Quantity                         | Source & Mode of transportation                | Storage mode                                                                          |
|---------|-----------------|----------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------|
| 1       | Methanol        | 25.6 TPD                         | The raw material will be sourced from dealers. | Underground MS tanks placed in a secured manner and dispensed as per batch scheduled. |
| 2       | Silver catalyst | 70 Kg once in five to six months | Raw materials will be sourced from dealers.    | 10 kg packet of 40 to 60 mm size will be stored in a secured manner.                  |



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➤ **WASTEWATER TREATMENT METHODS**

| Sl. No. | Sources             | Treatment system proposed                                      | Final disposal of treated effluent                                                                                                                                                                            |
|---------|---------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Domestic<br>1.3 KLD | Treated in the septic tank and disposed of through a soak pit. | Treated sewage will be used for green belt.                                                                                                                                                                   |
| 2       | Industrial<br>3 KLD | ETP - 5 KLD                                                    | The wastewater from the manufacturing process is collected in storage tank of 5 KL capacity along with utility effluents. Treated in ETP after primary treatment it will be reused for cooling tower make up. |

**Wastewater treatment Methods**

➤ **AIR ENVIRONMENT & MANAGEMENT**

**Air pollution source and control measures**

| Sl No | Chimney Attached | Capacity | Fuel                                       | Quantity | Chimney Height | Air Pollution Control Unit | Parameters                         |
|-------|------------------|----------|--------------------------------------------|----------|----------------|----------------------------|------------------------------------|
| 1     | D.G. Sets        | 320 kVA  | HSD                                        | 40 l/h   | 10 m AGL       | Acoustic enclosure         | SO <sub>2</sub><br>NO <sub>2</sub> |
| 2     | Boiler           | 4 TPH*   | Recovered gases from process.<br>Firewood. | 130 kg/h | 30m AGL        | Dust collector             | PM                                 |

**DAMAGASSESSMENT STUDY**

The total project cost for establishment of formaldehyde manufacturing as certified by the Chartered Accountant is Rs. 11,93,11,890 /- (Rs. 11.93 Crores). The penalty estimated as per the SOP dated 07.07.2021 based on investment is Rs. 596559.45 (@ of 1% and halved) and the total turnover of the company during the violation period is Rs. 81,20,90,888 /- and penalty estimated based on the Turnover is Rs. Rs. 10,15,113.61 (@ of 0.25% and halved). As per paragraph 12.2 of SOP dated

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07.07.2021, the percentage value is halved as the company has suo-moto reported the violation while making the application for EC.

The details of the total turnover during the violation period and summarized penalty on the investment and turnover is below,

**The total turnover during the violation period**

| Sl. No | Particulars | Sales/turn over |
|--------|-------------|-----------------|
| 1      | 2015-2016   | 1,88,17,748     |
| 2      | 2016-2017   | 6,24,39,786     |
| 3      | 2017-2018   | 10,58,50,812    |
| 4      | 2018-2019   | 12,70,93,649    |
| 5      | 2019-2020   | 11,33,29,908    |
| 6      | 2020-2021   | 11,63,57,870    |
| 7      | 2021-2022   | 13,42,06,058    |
| 8      | 2022-2023   | 13,39,95,057    |
| Total  |             | Rs. 812090888   |

**Penalty on the investment and Turnover**

| Particulars              | Amount           | Penalty                                |
|--------------------------|------------------|----------------------------------------|
| Turnover                 | Rs. 812090888    | Rs. 1015113.61 (@ of 0.25% and halved) |
| Total Project Cost       | Rs. 11,93,11,890 | Rs. 596559.45 (@ of 1% and halved)     |
| Total Damage cost(lakhs) |                  | Rs. 1611673.06                         |

**Ecological Damage Assessment**

Ecological damage assessed due to establishment and operation of the formaldehyde plant is given in Table 1.5.

**Ecological damage assessed**

| A. Environment Damage Cost (in Rs.)        | Amount in Rs. |
|--------------------------------------------|---------------|
| Air Environment                            | 182654.38     |
| • Due to construction activities Rs. 79040 |               |

|                                                                                                                                                                                       |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| • Due to Operation of Boiler Rs. 96033.08                                                                                                                                             |                   |
| • Due to Operation of D/G set Rs. 7581.03                                                                                                                                             |                   |
| <b>Water Environment</b>                                                                                                                                                              |                   |
| • Due to construction work Rs. 1883.6                                                                                                                                                 | 1186378.6         |
| • Due to operation of the industry Rs. 1184495                                                                                                                                        |                   |
| <b>Noise Environment</b>                                                                                                                                                              | 5000              |
| <b>Land Environment</b>                                                                                                                                                               | 1367.24           |
| 10% of EMP budgetary is considered (EMP capital cost is Rs. 19 Lakhs which is excluded providing Air pollution control devices as it is already in place during the violation period) | 190000 /-         |
| <b>Total</b>                                                                                                                                                                          | <b>1565400.22</b> |

**Summary of Damage assessment and NCRAP**

The total amount to be spent on Remediation plan and Natural Resource Augmentation Plan and Community Resource Augmentation Plan will be Rs. 1565000. This plan will be implemented in three years after obtaining all necessary clearances for the project. The summarized action plan of Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan is provided in the Table 1.6

**Summary of Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan.**

| Sl. No | Aspects                                        | Budget (Rs.)       |
|--------|------------------------------------------------|--------------------|
| 1      | Natural resource augmentation plan for 3 years | 8,50,000           |
| 2      | Community resource augmentation plan           | 7,15,000           |
|        | <b>Total</b>                                   | <b>Rs. 1565000</b> |

M/s. Akolite Synthetic Resin has undertaken to execute the following Remediation and Natural and Community Resource Augmentation plan as given in

**Natural Resource Augmentation Plan along with budget**

| Sl. No. | Proposed Activities                                      | Budget (Rs.)         |                      |                      | Total  |
|---------|----------------------------------------------------------|----------------------|----------------------|----------------------|--------|
|         |                                                          | 1 <sup>st</sup> Year | 2 <sup>nd</sup> Year | 3 <sup>rd</sup> Year |        |
| 1       | Providing avenue Plantation around Baggundi Lake, Curpur | 50000                | 50000                | -                    | 100000 |

|              |                                                                                                                                                            |        |        |        |               |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|---------------|
|              | Lake and KIADB industrial area on either side of the road approach to Akolite industries, about 200 Nos. saplings @ Rs. 500/- per sapling is considered.   |        |        |        |               |
| 2            | Rainwater harvesting system in government schools located Borugudde or Hosabettu or Kavoor in consultation with school authority or any other requirements | 50000  |        |        | 50000         |
| 3            | Revitalization and revival of mangroves located in and around the Baikampady Industrial Cluster                                                            | 300000 | 200000 | 200000 | 700000        |
| <b>Total</b> |                                                                                                                                                            |        |        |        | <b>850000</b> |

**Community Augmentation Plan**  
**Community Resource Augmentation Plan along with budget**

| Sl. No | Proposed Activities                                                                       | Total in Rs. |
|--------|-------------------------------------------------------------------------------------------|--------------|
| 1      | Providing Ambulance to Government Primary healthcare centre and other requirement by HCEs | 715000       |

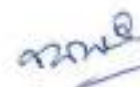
The Committee noted & accepted the calculation and appraised the Project.

The Proponent has informed about pollution load and details regarding management of Hazardous Waste. The Proponent informed that the basic raw material is Methanol which is stored in MS tanks below ground level and the product Formaldehyde is stored in SS tanks above the ground level. For the hazardous waste generated during the process ie the Spent catalyst is sent back to the supplier for reactivation. The Proponent also informed that effluents generated are being handled within the site in ETP of 5KLD capacity. The Proponent informed that the proposed area is categorized as Other polluted areas as CEPI score is 58.2 as per CPCB

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.

The Committee noted that the baseline parameters are found to be within permissible limits and after discussion decided to recommend the proposal to SEIAA for issue of E.C. with following additional considerations,





1. To store the solvents/raw material as per the guidelines in safest manner possible.
2. Onsite & Offsite emergency plan to be approved by department of factories and boilers.
3. To provide separate RWH structures for roof top & hardscape runoff water.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. Filing a complaint before Jurisdictional Court of law for the alleged violation under section 19 of the Environment (Protection) Act 1986. (Draft Complaint prepared by Advocate, SEIAA.
  - a) A Bank guarantee for an amount of Rs. 15.65 Lakhs with the Karnataka State Pollution Control Board, Bengaluru along with details of remediation plan and Natural and Community Resource Augmentation Plan and the time frame for execution of the same.
  - b) As per SoP dated:07.07.2021, section 12(b)(ii) 0.5% of the total expansion cost for 11,93,11,890/- i.e Rs. 5,96,559.45/- + 0.25% of total turnover during the period of Violation:- Rs. 10,15,113.61/-. Total Penalty Rs. 16,11,673/-, shall be paid to Karnataka State Pollution Control Board, Bengaluru.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).
2. Safety measures proposed shall be submitted.
3. A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.
4. The PP shall Risk Assessment report and fault-tree analysis

**Additional Conditions:**

1. The PP shall store the solvents/raw material as per the guidelines in safest manner possible.
2. The PP shall Onsite & Offsite emergency plan to be approved by department of factories and boilers.
3. The PP shall provide separate RWH structures for roof top & hardscape runoff water.



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4. The PP shall do plantation all along the periphery of the project site and internal areas of the plant with large canopy vegetation.

The Authority also decided to authorize Shri H. K. Vasanth, Advocate and Scientific Officer, Department of Forest, Ecology and Environment for filing the complaint.

**248.1.32 Proposed 195 TPD DRI Plant (Sponge Iron), 8.0 MW WHRB Power Plant, in 23.50 Acres (9.51 Ha) area at PBS Steel Plant, Halavarthi Village, Koppal Taluk, Koppal District by M/s. P. Balasubba Setty & Son) - Online Proposal No.SLA/KA/IND1/449508/2023 (SEIAA 31 IND 2023)**

M/s. P. Balasubba Setty & Son have applied for Environmental clearance from SEIAA for Proposed 195 TPD DRI Plant (Sponge Iron), 8.0 MW WHRB Power Plant, in 23.50 Acres (9.51 Ha) area at PBS Steel Plant, Halavarthi Village, Koppal Taluk, Koppal District

Details of the project are as follows:



| Sl. No. | Particulars                                                                                                        | Information Provided By PP                                                                                                                                                                                                 |                |                  |
|---------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|
| 1       | Name of the project Proponent:                                                                                     | M/s. PBS Steel (Unit of P Balasubba Setty & Son)                                                                                                                                                                           |                |                  |
| 2       | Name & Location of the project:                                                                                    | Proposed 195 TPD DRI Plant (Sponge Iron), 8.0 MW WHRB Power Plant, in 23.50 Acres (9.51 Ha) area at Sy.Nos.48/5, 57/4+6, 57/1-A, 57/5+7, 62/1 & 62/7 of PBS Steel Plant, Halavarthi Village, Koppal Taluk, Koppal District |                |                  |
| 3       | New /expansion/ modification /Product mix change:                                                                  | New                                                                                                                                                                                                                        |                |                  |
| 4       | Capacity                                                                                                           | 195 TPD DRI plant (Sponge Iron)& 8.0 MW WHRB power plant                                                                                                                                                                   |                |                  |
| 5       | Plot Area                                                                                                          | 23.50 Acres                                                                                                                                                                                                                |                |                  |
| 6       | Built Up Area                                                                                                      | 14.80Acres                                                                                                                                                                                                                 |                |                  |
| 7       | Land use pattern<br>Green Belt Coverage - % of total area (trees proposed)<br>Ground Cover area<br>Kharab, Others. | Green Belt - 34.04 % &<br>(Outside Plant Area - 3.0 Acres)<br>Trees Proposed - 8000 Nos<br>Ground Cover Area - 23.50 Acres<br>Others 0.0                                                                                   |                |                  |
| 8       | Project Cost                                                                                                       | 99.56 Crores                                                                                                                                                                                                               |                |                  |
| 9       | Type of Industries                                                                                                 | Ferrous Industries                                                                                                                                                                                                         |                |                  |
| 10      | Source of water -operational phase:                                                                                | Ground Water                                                                                                                                                                                                               |                |                  |
| 11      | Total Water Requirement (Domestic + Industrial) in KLD                                                             | 478 KLD                                                                                                                                                                                                                    |                |                  |
| 12      | Fresh Water in KLD<br>Recycled water in KLD                                                                        | 478 KLD<br>20 KLD                                                                                                                                                                                                          |                |                  |
| 13      | Total waste water generation in KLD                                                                                | 20 KLD                                                                                                                                                                                                                     |                |                  |
| 14      | Total effluents generation in KLD                                                                                  | -                                                                                                                                                                                                                          |                |                  |
| 15      | Scheme of disposal of excess treated water                                                                         | -                                                                                                                                                                                                                          |                |                  |
| 16      | Quantity of Tailings and its management                                                                            | -                                                                                                                                                                                                                          |                |                  |
| 17      | ETP Capacity                                                                                                       | -                                                                                                                                                                                                                          |                |                  |
| 18      | STP Capacity                                                                                                       | 10 KLD                                                                                                                                                                                                                     |                |                  |
| 19      | Types of waste Generation & its Disposal                                                                           | Solid Waste                                                                                                                                                                                                                | Proposed (Ton) | Mode of Disposal |

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|    |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                  |                                           |                       |
|----|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------|-----------------------|
|    |                                  | Fly ash/<br>Bottom<br>ash                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 48 TPD                           | Filling/Brick<br>Manufacturers            |                       |
|    |                                  | Dolochar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19 TPD                           | Re used in<br>process<br>/ Brick industry |                       |
| 20 | Solid Waste                      | Fly Ash/Bottom Ash & Dolochar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  |                                           |                       |
| 21 | Hazardous Waste and its handling | Used oil/waste oil - 0.85 TPA<br>Disposal Mode: It will supply to the authorized recyclers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                                           |                       |
| 22 | CER Activities                   | <ul style="list-style-type: none"> <li>➤ Distribution of Books at Govt School - Halavarthi Village</li> <li>➤ Distribution of utensils and maintaining of kitchen of gvt school to facilitate Government's Mid-Day Meals program.</li> <li>➤ Providing Printer, LED TV, Computer &amp; Sports Accessories to Government School at Allanagara village.</li> <li>➤ Appointment of Doctor for half yearly medical checkup to the nearby villages and employees.</li> <li>➤ Provided support to Sport Events held at Govt. Schools.</li> <li>➤ Plantation at Halavarthi - From Year 2024.</li> <li>➤ Developing the computer lab for Govt. High school, in Allanagara village.</li> </ul> |                                  |                                           |                       |
| 23 | FMP Budget                       | Sl<br>No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Particulars                      | No.                                       | Cost<br>(Lakh<br>Rs.) |
|    |                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>POLLUTION CONTROL</b>         |                                           |                       |
|    |                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Water sprayer (Mobile)           | 1                                         | 35.00                 |
|    |                                  | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Continuous water spraying system | 1                                         | 5.00                  |

|  |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                         |        |               |
|--|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------|---------------|
|  |                                    | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cement masonry/gar land drains all along the plant area | 1500 m | 30.00         |
|  |                                    | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Drains along roads (both sides)                         | 2400 m | 12.00         |
|  |                                    | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Retaining wall                                          | 400m   | 6.00          |
|  |                                    | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Silt settling tank and Rain water harvesting tank       | 1 each | 05.00         |
|  |                                    | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ESR cost (0.5% of project cost)                         |        | 49.78         |
|  |                                    | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                         |        | <b>142.78</b> |
|  | EMP<br>Construction.<br>Operation. | <p><b>AIR</b></p> <ul style="list-style-type: none"> <li>➤ Asphaltting of the connecting road and maintenance.</li> <li>➤ Water sprinkling and dry fog type dust suppression system will be provided.</li> <li>➤ The greenbelt &amp; plantation will be developed in and around the plant.</li> </ul> <p><b>NOISE (Construction Phase)</b></p> <ul style="list-style-type: none"> <li>➤ Selection of low noise generation machinery / equipment.</li> <li>➤ All vehicles will silencers to minimize the noise</li> </ul> <p><b>NOISE (Operation Phase)</b></p> <ul style="list-style-type: none"> <li>➤ The most of the equipment shall be designed to comply with the stipulated limit of 85dB(A).</li> <li>➤ Vibration isolators will be provided to reduce vibration and noise wherever possible.</li> </ul> <p><b>WATER (Construction Phase)</b></p> |                                                         |        |               |



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|----|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                  | <ul style="list-style-type: none"> <li>➤ Proper drainage of wastewater from the construction sites will be made, so that such waters do not form stagnant pools nor aggravate soil erosion.</li> <li>➤ Proper and effective Environmental Management Planning will be implemented to minimize the water usage.</li> </ul> <p>WATER (Operation Phase)</p> <ul style="list-style-type: none"> <li>➤ The wastewater generated will be treated and reused in circuit again and again.</li> </ul> <p>SOIL (Construction Phase)</p> <ul style="list-style-type: none"> <li>➤ Water spraying shall be carried out on the roads inside the plant where vehicles carrying materials.</li> <li>➤ The materials brought for construction will be stored covered with plastic/tarpaulin sheets and all the discarded materials will be disposed of regularly and shall keep the place neatly.</li> </ul> <p>SOIL (Operation Phase)</p> <ul style="list-style-type: none"> <li>➤ Dust emissions sources due to vehicular movement will be sprayed by water.</li> <li>➤ Parking areas shall be identified</li> <li>➤ Unnecessary idling of vehicular movements shall be restricted. Vehicle speed shall be restricted to &lt;15 kmph.</li> </ul> |
| 24 | EMP<br>DRI Plant | <p><b><u>ACTION PLAN FOR CONTROL OF STACK EMISSION MEASURES</u></b></p> <ul style="list-style-type: none"> <li>➤ The waste gas generated in DRI process will be re-circulated generate electricity through WHRB power plant.</li> <li>➤ Wet scrubbing and Electrostatic precipitator (ESP) will be part of environment management system to clean the gases from DRI.</li> <li>➤ Regular cleaning and maintenance of the air pollution control system will be carried out.</li> <li>➤ The height of the chimneys will be increased based on requirement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <ul style="list-style-type: none"> <li>➤ Apart from road transport, the transportation of coal and other material will be preferably done by railway.</li> <li>➤ Coal will be stored in a closed shed.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|  |  | <p><b><u>MEASURES FOR FUGITIVE EMISSION CONTROL</u></b></p> <ul style="list-style-type: none"> <li>➤ The vehicle carrying coal, pellets, and iron ore will be covered with tarpaulin.</li> <li>➤ All Internal roads will be cemented to prevent the fugitive dust emission due to vehicular movement.</li> <li>➤ Speed limit in plant premises will be in control.</li> <li>➤ All transportation vehicles carry/will carry a valid PUC (Pollution under Control) Certificate.</li> <li>➤ Proper traffic management is being/will be undertaken.</li> <li>➤ Proper servicing &amp; maintenance of vehicles is being/will be carried out.</li> <li>➤ Adequate greenbelt development.</li> <li>➤ Dust masks are being/will be provided to workers coming in direct contact of fugitive emissions.</li> <li>➤ Water Sprinkling/Dry fog type dust suppression system will be provided.</li> <li>➤ Adequate spares of critical components of dust and gas collection systems to ensure trouble - free operations.</li> <li>➤ Ambient air quality is being/will be regularly monitored to keep a check on the emissions of different pollutants.</li> </ul> |

The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proposal is for establishing of sponge iron plant of 1x100TPD & 1x95TPD. ToR was issued by SEIAA on 02.06.2023 and public hearing was conducted on





05.10.2023. The Proponent informed that the proposed land is non forest land and had obtained land conversion for the proposed activity.

During the appraisal, the Committee sought details regarding handling of flue gasses, handling of waste heat generated in the process. The Proponent informed the Committee that in the proposed project they will be incorporating the environmentally sound technology for recycling flue gas by using advanced emission control techniques like scrubbers, electrostatic precipitators, or fabric filters to remove these pollutants before they are released into the atmosphere and for controlling fugitive emission, concreting the internal roads, adequate green belt development, regular sprinkling of water(dry fog dust suppressing system), regular monitoring of ambient air quality, transport vehicles considered with Pollution under control certificate, etc. would be undertaken. For waste heat Proponent informed that they have 8MW capacity of WHRB Power plant for captive consumption. The Committee informed the Proponent to take additional dust mitigation measures towards the village.

Further the Proponent informed about the control measures that would be taken for sponge iron plant such as action plan for control of stack emission measures and informed about the methods that would be implemented in the proposed project.

The Proponent has 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 and informed the Proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area to reduce dependency on groundwater.

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

1. To adhere to the compliance given in response to the opinion of public expressed during public hearing
2. To carry out three rows of plantation all along the boundary of the project and approach road to the industry and towards the village side.
3. Proponent agreed to retain the natural drains with buffers.
4. To provide STP within the site area.
5. To manage waste heat with proper mitigation measures.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to following:*

1. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
2. *Safety measures proposed shall be submitted.*
3. *A time bound action plan for implementation of proposed CER activities as a part of EMP shall be furnished.*

**Additional Conditions:**

1. *The PP shall adhere to the compliance given in response to the opinion of public expressed during public hearing*
2. *The PP shall carry out three rows of plantation all along the boundary of the project and approach road to the industry and towards the village side.*
3. *The PP shall retain the natural drains with buffers.*
4. *The PP shall provide S1P within the site area.*
5. *The PP shall manage waste heat with proper mitigation measures.*
6. *The PP shall implement covered storage areas for raw material to prevent it being air borne which may also be one of the reasons for factors leading to prevailing Air Quality in the area.*
7. *The PP shall do plantation all along the periphery of the project site and internal areas of the plant with large canopy vegetation.*

**Recommended by SEAC for Modification of EC.**

**248.1.33. Construction of Hotel Project at Sy.No.8, 108 to 112 of Bengaluru Aerospace Park industrial area Unachur village, Jala Hobli, Bengaluru North Yelahanka Taluk, Bangalore Urban District by M/s. Tri Star Propmart Pvt. Ltd. - Online Proposal No.SIA/KA/MIS/306409/2023 (SEIAA 113 CON 2023)**

M/s. Tri Star Propmart Pvt. Lt have applied for modification of Environmental clearance from SEIAA for Construction of Hotel Project at Sy.No.8, 108 to 112 of Bengaluru Aerospace Park industrial area Unachur village, Jala Hobli, Bengaluru North Yelahanka Taluk, Bangalore Urban District.



The subject was discussed in the SEAC meeting held on 15<sup>th</sup> November 2023. The Committee has recommended to SEIAA for issue of modification of EC and the extract of the proceedings of the Committee meeting is as below:

The Proponent had submitted application for modification of EC, for which the SEIAA had issued EC on 30.08.2023 for BUA of 32,483.36Sqm in plot area of 8,094.25Sqm and the configuration mentioned as G+7UF.

The Proponent had mentioned that due to typographical error they had mentioned the configuration as G+7UF instead of 2B+C+6UF and had requested to issue modification of EC for the change in configuration to 2B+C+6UF and had informed that presently no construction activities had started in the site.

The Committee noted the changes and after discussion decided to recommend the proposal to SEIAA for modification of EC for change in configuration to 2B+C+6UF with all other EC conditions remaining the same.

*The subject is placed for discussion and decision of the Authority.*

*The Authority after discussion decided to issue modification of EC for change in configuration to 2B+C+6UF with all other EC conditions remaining the same*

#### 248.2. Additional Agenda: With Permission of Chair

248.2.1 Quarrying of Natural Sand Project at Sy. Nos. 44/1, 44/2, 44/3, 44/ 4, 44/ 5 & 44/18 of Machenahalli Village, Molakalmuru Taluk, Chitradurga District, Karnataka by Sri. H T Nagareddy - SEIAA 83 MIN 2021 - Request for issue transfer of EC in favour of M/s Skanda Ventures.

Environmental Clearance has been issued to this project by SEIAA vide letter No. SEIAA 83 MIN 2021 dated 15.10.2022 for quarrying of Natural Sand Project at Sy. Nos. 44/1, 44/2, 44/3, 44/ 4, 44/ 5 & 44/18 of Machenahalli Village, Molakalmuru Taluk, Chitradurga District, Karnataka to Sri. H T Nagareddy.

Sri. H T Nagareddy, vide letter dated 06.11.2023 have requested for transfer of the above mentioned Environmental Clearance in favour of M/s Skanda Ventures as the said lease has been transferred to M/s Skanda Ventures by the Dept. of Mines and Geology vide order (Form-T) dated 02.11.2023.



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*The Authority perused the request made by Sri. H T Nagareddy and decided to transfer the EC in favour of M/s Skanda Ventures subject to the following conditions*

1. *The applicant shall furnish Notarized affidavit of M/s Skanda Ventures relinquishing his claim (duly witnessed by Authorized Signatory of Sri. H T Nagareddy)*
2. *Notarized Copy of EC*
3. *Notarized Copy of Form-T.*

Meeting concluded with thanks to the Chair.



(Dr. K. R. Sree Harsha)  
Chairman,  
SEIAA, Karnataka



(K. N. Shivalinge Gowda)  
Member,  
SEIAA, Karnataka



(B. P. Ravi, IFS)  
Member Secretary,  
SEIAA, Karnataka