Proceedings of the 315th SEAC Meeting held on 29th July – 2024

Members present in the meeting

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

Officials Present

1	Suhas H S	Supporting Staff

The Chairman welcomed the members and initiated the discussion.

315.1.1 Formation of Bavanahalli Industrial Area Project at Sy.Nos.259, 245, 239, 247, 238, 258, 146, 158, 167,146, 137, 237, 236, 235 of Bavanahalli Village, Kasaba Hobli, Malur Taluk, Kolar District by Karnataka Industrial Areas Development Board (KIADB) - Online Proposal No.SIA/KA/INFRA1/478581/2024 (SEIAA 21 IND 2023)

The proposal is for industrial area development by KIADB in an area of 722.05 Acres and the Proponent submitted an application under Sl. No. 7(c) of the schedule of EIA Notification 2006. ToR was issued by SEIAA on 19.04.2023 and Public Hearing was conducted on 06.03.2024, where opinion/requests of ten people were recorded. Proponent informed the Committee that there is no litigation pending against the proposed site area.

The Committee during appraisal noted the following discrepancy in the EIA report submitted by Proponent,

1. Details of Source of fresh water for the proposed project and tertiary treatment of recycled water.
2. Detailed Hydrology study report of the study area considered
3. Ground water depth is mentioned as 10mtrs, which has to be reexamine, as the project area is an overexploited area.
4. Detailed compliance for the issues raised in Public Hearing
5. Undertaking by PP and declaration by EIA coordinator & FAE's & plagiarism certificate not evident.
6. No trees proposed for felling in TOR compliance, but as per Google earth image it appears that the proposed areas is covered with trees, to be justified.
7. For 3286 KLD fresh water requirement, source of water not evident.
8. Proposed water requirement for green belt is 1745 KLD, which need to be substantiated.
9. To reducing the fresh water requirement, use of recycled water for flushing and industrial purposes by tertiary treatment is not evident.
10. Proposal of dual piping for fresh water & recycled water is not evident.
11. Monsoon & Non Monsoon season separate water consumption to be provided.
12. CETP scheme with design details not evident.
13. Scheme of RWH, calculations details and their storage or bore well recharge not evident.

14. Storm water management plan and collection & recharge scheme is not evident.
15. pg 44 in EIA report, DEM source not specified.
16. pg 55 of EIA report, GW depth said 10m to 20m BGL in malur, However, the actual depth will be more than 1000 feet which has to be re-evaluated.
17. Consultant has to assess the current status by ground survey & conduct Hydro geological study from CGWA & NABET accredited consultant.
18. Pg 85 of EIA, fauna is not classified as per WLPA 2022, however, in WLCP it is considered.
19. CER budget and their year wise implementation in physical terms not evident
20. Air Pollution impact during construction phase and operation phase is not evident and air quality modelling details is not evident.
21. Traffic study not evident as per IRC standard
22. Zoning of the area in terms of 'type of industries' not evident, categories of tentative categories of industries not elaborated.
23. ToR Compliance is vague in nature
24. Tentative generation of MSW, Haz waste, plastic waste, e-waste from all possible industries is not evident.

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

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

315.1.2 Establishment for Expansion of Ore Beneficiation Plant Project at Hirebagnal Village, Koppal Taluk, Koppal District by M/s. Thakur Industries - Online Proposal No.SIA/KA/IND1/466405/2024 (SEIAA 35 IND 2023)

About the project:

Sl.No.	Particulars	Information Provided By PP
1	Name of the project proponent:	**M/s. Thakur Industries**
2	Name & Location of the project:	**M/s. Thakur Industries** Sy. No's 234/1, 234/2, 234/3, 235/3, 235/4, 243/2 & 243/4 at Hirebagnal Village, Koppal Taluk & District
3	New/expansion/modification /Product mix change:	Expansion
4	Capacity	1.5 MTPA to 2.8 MTPA Ore Beneficiation plant
5	Plot Area	26.90 Acres
6	Built Up Area	3.61 Acres
7	Land use pattern Green Belt Coverage - % of total area (trees proposed) Ground Cover area Kharab, Others.	Green Belt – 34.24 % & (Additional - Outside Plant Area - 2.0 Acres) Trees Proposed – 9,000 Ground Cover Area – 26.90 Acres Kharab – 0.3 Acres
8	Project Cost	61.98 Crores
9	Type of Industries	Mineral Beneficiation – 2(b)
10	Source of water -operational phase:	**Ground Water**
11	Total Water Requirement	3460 KLD

<table>
<tr><td></td><td>(Domestic + Industrial) in KLD</td><td></td></tr>
<tr><td>12</td><td>Fresh Water in KLD
Recycled water in KLD</td><td>1430 KLD
2030 KLD</td></tr>
<tr><td>13</td><td>Total waste water generation in KLD</td><td>-</td></tr>
<tr><td>14</td><td>Total effluents generation in KLD</td><td>-</td></tr>
<tr><td>15</td><td>Scheme of disposal of excess treated water</td><td>-</td></tr>
<tr><td>16</td><td>Quantity of tailings and its management</td><td>1867 TPD
The tailings will be sold to the cement plant in the form of cake/Sale to Pelletization plant after upgradation.</td></tr>
<tr><td>17</td><td>ETP Capacity</td><td>-</td></tr>
<tr><td>18</td><td>STP Capacity</td><td>10 KLD</td></tr>
<tr><td>19</td><td>Types of waste Generation & its Disposal</td><td><table><tr><th>Solid Waste</th><th>Proposed (Ton)</th><th>Mode of Disposal</th></tr><tr><td>Tailings</td><td>1867 TPD</td><td>Sale to Pelletization plant after upgradation /sale to cement plant</td></tr></table></td></tr>
<tr><td>20</td><td>Solid Waste</td><td>Tailings</td></tr>
<tr><td>21</td><td>Hazardous Waste and its handling</td><td>Used oil/waste oil– 1.5 KLT
Disposal Mode: Sold to Authorized Re-processor /Recyclers.</td></tr>
<tr><td>22</td><td>CER Activities</td><td>• Distribution of Books, Bags, Sports Kit at Govt School – Allanagara Village
• Distribution of utensils and maintaining of kitchen of government school to facilitate Government's Mid-Day Meals program.
• Providing Printer, LED TV, Computer & Sports Accessories to Government School at Hirebagnalvillage.
• Appointment of Doctor for half yearly medical checkup to the nearby villages and employees.
• Support will be Provided to Sport Events held at Govt. Schools.
• Plantation & Environment Awareness programmes will be conducted nearby villages.
• Developing the computer lab for Govt. High school, in Hirebagnal village.</td></tr>
<tr><td>23</td><td>EMP Budget</td><td><table><tr><th>Sl No.</th><th>Particulars</th><th>No.</th><th>Cost (Lakh Rs)</th></tr><tr><td>I</td><td colspan="3">POLLUTION CONTROL</td></tr><tr><td>1</td><td>Water sprayer (Mobile)</td><td>1</td><td>35.0</td></tr><tr><td>2</td><td>Continuous Water spraying system</td><td>1</td><td>5.00</td></tr><tr><td>3</td><td>Cement masonry / garland drains all along the plant</td><td>1500m</td><td>15.00</td></tr></table></td></tr>
</table>

			area/ Gully checks		
		4	Drains along roads (both sides)	1200 m	6.00
		6	Retaining wall	500 m	8.00
		5	Silt Settling tank and Rain water harvesting tank	1 each	4.51
		7	ESR cost (0.5 % of project cost)	-	30.99
			Total		**104.50**
	EMP Construction. Operation.	AIR • Water sprinkling and Continuous dust suppression system will be provided. • Maintenance of asphalted connecting roads. • The greenbelt & plantation will be developed in and around the plant area. NOISE (Construction Phase) • Selection of low noise generation machinery / equipment. • All vehicles with silencers to minimize the noise. NOISE (Operation Phase) • Most of the equipments shall be designed to comply with the stipulated limit of 85dB(A). • Vibration isolators will be provided to reduce vibration and noise wherever possible. WATER (Construction Phase) • Proper drainage of wastewater from the construction sites will be made, so that such waters do not form stagnant pools nor aggravate soil erosion. • Proper and effective Environmental Management Planning will be implemented to minimize the water usage. WATER (Operation Phase) • The wastewater generated will be treated and reused in circuit again and again. • The tailing pond will be designed such that no waste water will percolate and mix with ground water. SOIL (Construction Phase) • Water spraying shall be carried out on the roads inside the plant where vehicles carrying materials. • 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.			

		SOIL (Operation Phase) •Dust emissions sources due to vehicular movement will be sprayed by water. •Parking areas shall be identified. Unnecessary idling of vehicular movements shall be restricted. Vehicle speed shall be restricted to <15 kmph.
24	EMP Beneficiation Plant	**MEASURES FOR FUGITIVE EMISSION CONTROL** • The vehicle carrying ore/product 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 greenbelt development. • Dust masks are being/will be provided to workers coming in direct contact of fugitive emissions. • Water Sprinkling/ continuous 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.

The Proponent informed the Committee that the proposal is for expansion of mineral beneficiation plant from 1.5 MTPA to 2.8 MTPA in an area of 26.9 Acres which is converted for industrial purpose. ToR was issued by SEIAA for proposed expansion on 28.07.2023 and public hearing was conducted on 05.01.2024, where in the opinion/requests of 15 people were recorded in the PH minutes. Proponent informed that initially they had obtained CCR from MoEF&CC dated 24.05.2023 and after identification of non-compliance in CCR, Proponent had undertaken compliance for the non-compliances and had obtained revised CCR from MoEF&CC dated 14.06.2024 and informed the Committee that they have undertaken all the compliance to the EC conditions and observation in CCR.

The Committee during appraisal sought details regarding tailing management, cumulative impact, mitigation measures on air quality and details regarding drain as per village map. The Proponent informed to the Committee that about 20% of the feed will be tailings ie about 1867 TPD, which is stored in tailing pond having silpauline film and retaining wall constructed around the foot of tailing dump. The Proponent submitted the quantification of cumulative impact on air quality due to plan operation, transportation and handling of materials as below,

Station No	Station Name	Baseline Max Value (µg/m³)				Predicted GLC (µg/m³)				Cumulative Concentrations (µg/m³)			
		PM 10	PM2.5	SO2	NOx	PM 10	PM2.5	SO2	NOx	PM 10	PM2.5	SO2	NOx
AAQ1	Core Zone	98.46	32.55	14.58	16.44	1.796	1.202	3.130	6.198	100.26	33.75	17.71	22.64
AAQ2	Down wind Direction	65.75	20.47	10.10	12.06	0.837	0.559	1.152	1.773	66.59	21.03	11.25	13.83
AAQ3	Halavarthi	72.28	22.45	11.83	12.31	0.828	0.560	0.545	1.217	73.11	23.01	12.38	13.53
AAQ4	Belunalu	73.02	26.00	12.40	14.06	1.127	0.762	0.962	1.920	74.15	26.76	13.36	15.98
AAQ5	Kunikeri Tanda	72.02	22.61	11.49	13.23	0.990	0.674	1.234	2.284	73.01	23.28	12.72	15.51
AAQ6	Hirebagnal	80.49	24.20	11.15	12.72	0.238	0.160	0.494	0.952	80.73	24.36	11.64	13.67
AAQ7	Allanagara	78.94	24.78	10.81	14.83	1.194	0.807	0.976	1.964	80.13	25.59	11.78	16.79
AAQ8	Basapura	68.17	19.52	12.25	15.11	0.714	0.483	0.759	1.355	68.88	20.00	13.01	16.47
NAAQ Standards		100	60	80	80	-				100	60	80	80

For mitigation measures, Proponent informed that the following activities would be carried out namely asphalting of approach road and internal roads, continuous permanent water sprinkling and dry fog system for dust suppression, 10 feet high compound wall & three rows of green belt all round the project boundary, vehicles carrying material/ore covered with tarpaulin, crushing & screening in closed area and converyers to be covered with GI sheets, overfilling and unloading from height and spillage from vehicle would be avoided.

Further, the Proponent informed the Committee that for the drains passing through the project area they had maintained a buffer of 10 mtrs from the edge of the drain and only green belt would be developed in the buffer zone all around the plant area and precautionary measure would be under taken to prevent the washout not reaching dain.

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 and 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, for which the Proponent agreed.

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 addressed during public hearing (mainly to provide employment to local people).
2. To comply with the observation in CCR issued by MoEF&CC
3. To carry out only three row plantation all along the boundary of the project and approach road to the industry.
4. Proponent to provide proper buffer to the drain and provide additional plantation on either side of the drain and to provide silt settling pond.
5. To take measures to bring PM10 below 100PPM
6. No tailing storage allowed. The PP has to provide filter press.
7. Ore stacking to be covered with tarpaulin.
8. Filter cake should be stored in closed shed.
9. All Internal roads should be concreted.
10. To provide porous fence of 10m height all along the boundary of the project
11. To implement all the conditions of the KGWA NOC
12. To provide Dust control measures at each & every drop points of ore transport conveyors.
13. To provide STP within the site area.
14. To carry out regular health checkup for the workers in the nearby Hospital.
15. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

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

315.1.3 Brigade Residential Development Project at Yelahanka Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru Urban District by M/s. Brigade Enterprises Ltd. - Online Proposal No.SIA/KA/INFRA2/484001/2024 (SEIAA 06 CON 2024)

About the project:

Sl.No		Particulars	Information Provided By Proponent
1		Name & Address of the Project Proponent	**M/s. Brigade Enterprises Limited** 29th & 30th Floor, World Trade Center, Brigade Gateway Campus, 26/1, Dr. Raj Kumar Road, Malleshwaram - Rajajinagar, Bengaluru – 560055.
2		Name & Location of the Project	Brigade Residential Development, Yelahanka at Sy. Nos. 152/1A, 152/1B, 152/2A, 152/2B, 152/3A, 152/3B, 152/4A, 152/4B, 152/5A, 152/5B, 152/6A, 152/6B, 152/7A, 152/7B, 152/10A, 152/10B & 153 of Yelahanka Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru Urban District.
3		**Type of Development**	
	a.	Residential Apartment / Villas / Row Houses/VerticalDevelopment/ Office /IT/ITES/ Mall/ Hotel/ Hospital /other	Residential Development Category 8(b) as per EIA Notification, 2006
	b.	Residential Township/ Area Development Projects	--
	c.	Zoning Classification	The proposed project site comes under Residential Main Zone as per the Revised Master Plan 2015 of Bengaluru for the planning district 3.07 Yelahanka map.

Sl.No	Particulars	Information Provided By Proponent
4	New/~~Expansion/Modification/Renewal~~	New
5	Water Bodies/ Nalas in the vicinity of project site	Allalasandra Lake - Adjacent to the project site in the South West direction for which 30m buffer has been provided as per the BDA RMP 2015 regulations.
6	Plot Area (Sqm)	59,286.00 Sqmt
7	Built Up area (Sqm)	3,32,372.00 Sqmt
8	FAR • Permissible • Proposed	 3.25 3.25
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Buildings (2 nos.) - 3B+GF+24UF Clubhouse – 3B+GF+5UF
10	Number of units/plots in case of Construction / Residential Township / Area Development Projects	1600 nos.
11	Height Clearance	As per CCZM permissible height is 152mtrs and proposed is 75mtrs.
12	Project Cost (Rs. In Crores)	Rs. 414 Crores
13	Quantity excavated earth & its management	Total Excavated Earth –**50,172 Cum** • Backfilling in foundation– 5,017 Cum • Landscaping– 19,565 Cum • Road and walkways - 24,899 • Site formation - 691 Cum
14	**Details of Land Use (Sqm)**	
a.	Tower Ground Coverage Area	14,822 Sqmt
b.	Kharab Land	-
c.	Total Green belt on Mother Earth	19,565 Sqmt
d.	Internal Roads	-
e.	Paved area	24,899 Sqmt
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
h.	Total	59,286.00 Sqmt
15	**WATER**	
I.	Construction Phase	
a.	Source of water	Mobile STP tertiary treated water will be used for construction.
b.	Quantity of water for Construction in KLD	20 KLD
c.	Quantity of water for Domestic Purpose in KLD	50 KLD
d.	Waste water generation in KLD	45 KLD
e.	Treatment facility proposed and scheme of disposal of treated water	The total sewage generated will be treated in a mobile STP of capacity 50 KLD; Treated sewage will be re-used for construction purposes, dust suppression & gardening.
II.	**Operational Phase**	

Sl.No		Particulars	Information Provided By Proponent	
	a.	Total Requirement of Water in KLD	Fresh	853 KLD
			Recycled	433 KLD
			Total	**1286 KLD**
	b.	Source of water	**BWSSB**	
	c.	Waste water generation in KLD	1029 KLD	
	d.	STP capacity & Area required	STP capacity: 1100 KLD (600 KLD & 500 KLD) Area required: 1500 Sqmt	
	e.	Technology employed for Treatment	SBR Technology	
	f.	Scheme of disposal of excess treated water if any	For Flushing – 433 KLD For Landscaping – 98 KLD Treated sewage for avenue plantation/construction purpose 395 KLD.	
16		**Infrastructure for Rain water harvesting**		
	a.	Capacity of sump tank to store Roof run off	900Cum	
	b.	No's of Ground water recharge pits	20 Nos. of deep recharge bore	
17		Storm water management plan	The roof runoff & hardscape runoff will be collected in rain water collection sump of capacity 900 Cum. The run-off from the softscape will be routed to 20 Nos. of recharge pits to recharge the ground water.Additionally, provision to store the excess runoff in the storm water collection tank of 1140 cum (570 Cum X 2 Nos.) is provided.	
18		**WASTE MANAGEMENT**		
	I.	Construction Phase		
	a.	Quantity of Construction & Demolition waste and its management	The proposed project is a green field project and there is no any old or used structure within the project site and hence there is no any demolition waste from the project site.However the estimated amount of debris generated at each phases of construction would be about 3,323 Cum.	
	b.	Quantity of Solid waste generation and mode of Disposal as per norms	Estimated to be 167 kg/Day. Solid waste generated will be Handed over to authorized vendors.	
	II.	**Operational Phase**		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	• **Quantity:**949 TPA • **Mode of Disposal:** Biodegradable wastes will be segregated at the source and will be processed in proposed organic waste converter. • **Capacity of facility:**2.6 MT • **Area required** (for storage and processing): 200 m^2	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	• **Quantity:**620.5 TPA • **Mode of Disposal:** Non-biodegradable Wastes will be given to the waste recyclers. • **Area required:**20 m^2	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	• **Quantity:** 4.26TPA. • **Mode of Disposal:** Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers. • **Area required:** 25 m^2	

Sl.No		Particulars	Information Provided By Proponent
	d.	Quantity of E waste generation and mode of Disposal as per norms	• **Quantity:** 0.2 TPA • **Mode of Disposal:** E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing. • **Area required:** 10 m^2
19		**POWER**	
	a.	Total Power Requirement -Operational Phase	8000 KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500 kVA X 16 Nos.
	c.	Details of Fuel used for DG Set	1,676.2 L/hr
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	• Power savings through solar lighting, Cu wound transformer, LED, PHE pumps, Lift and solar water heater Energy Savings: 24.53%
20		**PARKING**	
	a.	Parking Requirement as per norms (ECS)	3,300 Nos.
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	**Towards** / **Existing traffic scenario** / **Changed Scenario After Road widening** **LoS** / **LoS** Doddaballapura: C / B Yelahanka Jn.: C / B Yelahanka: D / A Hebbal: C / A/B BEL Circle: C / D Yelahanka: C / C
	c.	Internal Road width (RoW)	6 m
			Activity • Skill development training programmes. • Free Medical check-up camps as per the socio-economic survey done in General Hospital Yelahanka. • Infrastructure creation to one of the school named Suggappa Layout High School for creating RO plant, toilets, smart classes, solar plant, and rainwater harvesting. • Creation of sanitation facilities for control of waterborne diseases viz., Malaria, Dengue, Diarrhoea, Cholera, etc., • Scientific support and awareness to local farmers to increase yield of crop and fodder. • Installation of solar streetlights. • Plantation in community areas. • Rejuvenation of water bodies/ drains/

Sl.No	Particulars	Information Provided By Proponent
		construction of ground water recharge pits in surrounding areas near vicinity of the project area.
22	EMP (Details and capital cost & recurring cost)	**During Construction:** Capital investment – 120 lakhs Recurring Cost – 53.3 lakhs/ annum **During Operation:** Capital investment – 1673 lakhs Recurring Cost – 63.9 lakhs/ annum

The proposal is for construction of a residential apartment project in an area earmarked for residential use as per RMP of Bangalore Development Authority with BUA of 3,32,372 Sqm, for which SEAC had issued ToR on 03.05.2024.

The Committee during appraisal sought details regarding waterbody as per village map, sensitive zone and rain water harvesting provisions proposed in the project. The Proponent informed the Committee that for the water body in south west, 30 mtr buffer from edge is proposed as no development zone and informed that there is no sensitive zone in the proposed project area. For harvesting rain water, Proponent informed that they have proposed storage tank of capacities 900 cum for runoff from rooftop and another tank of 1140 cum for runoff from hardscape and landscape areas along with 20 deep recharge pits within the site area.

The Committee informed the Proponent to revise the location of STP away from the water body and to provide bell mouth entry/exit in the proposed project. Accordingly, the Proponent submitted the conceptual plan with revised location of STP to eastern side and with bell mouth entry/exit for the proposed project.

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

The Proponent agreed to grow 770 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

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

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

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 900 cum & 1140 cum and 20 recharge pits.
5. To grow 770 trees in the early stage before taking up of construction.
6. To provide bellmouth entry/exist from the approach road.
7. To source external water from KGWA approved water tankers.
8. To dispose the excess treated water through BWSSB.

9. STP location should be away from the water body.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

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

315.1.4 Residential Apartment with Club House "Prestige Raintree Park" Project at Amani Bellandur Khane Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru Urban District by M/s. Prestige Estates Projects Limited - Online Proposal No.SIA/KA/INFRA2/467657/2024 (SEIAA 81 CON 2024)

About the project:

Sl.No	Particulars	Information Provided by Proponent
1	Name & Address of the Project Proponent	Mr. Zaid Sadiq, Executive Director, M/s.Prestige Estates Projects Limited., Prestige Group, Prestige Falcon Towers, No.19, Brunton Road, Bengaluru -560025.
2	Name & Location of the Project	Development of Residential Apartment with Club house "Prestige Raintree Park" at Sy. Nos. 19/1, 19/2, 20, 21/1 to 21/4, 21/5A, 21/5B, 21/6, 21/7, 22/1 to 22/6, 23/1 to 23/6, 24/1 to 24/4, 25/1, 25/2A, 25/2B, 26/1, 26/3, 27/1 to 27/8 of Ramagondanahalli Village & 348/1 to 348/7, 349/2, 349/3, 350/1 to 350/5, 351/1 to 351/4, 352/2, 353/1(P), 353/2A, 353/2B, 353/3 of Amani Bellandur Khane Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru Urban District
3	Type of Development	
a.	Residential Apartment/Villas/Row Houses/Vertical Development/ Office/ IT/ITES/Mall/Hotel/ Hospital /other	-
b.	Residential Township/ Area Development Projects	Residential Apartment with Club house "Prestige Raintree Park" Category 8(b)
c.	Zoning classification	Project site comes under Residential Main zone as per Bangalore Revised Master Plan 2015 of 3.16 (b) Varthur and for the portion of the area which comes under sensitive zone, clearance has been obtained from BDA on 20.09.2023.
4	New/Expansion/Modification/ Renewal	New
5	Water Bodies/ Nalas in the vicinity of project site	• Varthur lake is present towards West direction for which buffer of 30m has been left as per Revised master plan (RMP) 2015, Byelaw. • There is a Primary nala present adjacent to the project site towards East direction, secondary nala towards North and South direction, for which buffer of 50m for primary and 25m for secondary has been left from the center of nala/drain, as per RMP -2015, which is reflected in the site plan.

		• And there are tertiary nalas present within the project site in North-West and North-East direction, for which buffer of 15m has been left from the center of nala/drain, as per RMP-2015, which is already reflected in the site plan.
6	Plot Area (Sqm)	1,13,462.2 sqm
7	Built Up area (Sqm)	4,84,533.38 Sqm
8	FAR • Permissible • Proposed	 3.0 2.99
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Building 1, 2, 3 & 4: 2BF+GF+19UF+TF – 64.20 m Amenity Building:2BF+GF+2UF+TF – 13.90 m
10	Number of units/plots in case of Construction/Residential Township /Area Development Projects	1,520 No's
11	Height Clearance	Project site elevation – 863.10 m Building Height – 64.20 m Maximum building height: 927.30 m • Permissible top elevation in m AMSL (as per AAI NOC) – 1013.1 m • Permissible top elevation in m AMSL (as per HAL NOC) – 929.6 m
12	Project Cost (Rs. In Crores)	756.53 Crores
13	Quantity excavated earth & its management	Quantity of excavated earth and its management is shown below:

Description	Quantity in m^3	% usage
Total Excavated earth	1,49,000	100
Management		
Backfilling in foundation	98,000	65.00
For landscaping	32,000	21.47
For Roads formation	19,000	13.53

14		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	40,350.11 Sqm
	b.	Kharab Land	809.36 Sqm
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedules of the EIA notification, 2006	Landscape area on ground - 8,671.37 Sqm Landscape area on podium - 6,023.20 Sqm
	d.	Internal roads	11,764.22 Sqm
	e.	Paved area	
	f.	Others Specify	Road widening area –25,788.70 Sqm Civic amenities - 5,633.21 Sqm Service area - 578.16 Sqm Open area - 2,578.19 Sqm

	g.	Parks and Open space in case of Residential Township/ Area Development Projects	11,265.68 Sqm	
	h.	Total	1,13,462.20 Sqm	
15		WATER		
	I.	Construction Phase		
	a.	Source of water	STP treated water for construction purpose & Tanker water for domestic purpose.	
	b.	Quantity of water for Construction in KLD	50 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	22.5 KLD	
	d.	Wastewater generation in KLD	21 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Will be treated in Mobile STP	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	861 KLD
			Recycled	437 KLD
			Total	1,298 KLD
	b.	Source of water	**BWSSB**	
	c.	Wastewater generation in KLD	1,168 KLD	
	d.	STP capacity	1,170 KLD	
	e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
	f.	Scheme of disposal of excess treated water if any	Available treated water – 1,110 KLD (95% of wastewater) For flushing – 437 KLD For Landscape – 67 KLD For car washing- 72 KLD For other construction purpose/ avenue plantation – 534 KLD	
16		Infrastructure for Rainwater harvesting		
	a.	Capacity of sump tank to store Roof run off	2 x 250 cum, 270 cum, & 310 cum	
	b.	Nos of Ground water recharge pits	61No's	
17		Storm water management plan	• Land is gently sloping terrain and sloping towards Southdirection. • Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn & roads.	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Construction & Demolition waste and its management	•Construction waste mainly consists of earth, stones, bricks, inert, concrete, plaster, metal, wood, plastics etc. •The retrievable items such as bricks, wood, metals are recycled; the construction earth will be used within the site premises. •There is no existing building at the project	

			site, presently land is in vacant condition, generation of demolition waste is not applicable.
	b.	Quantity of Solid waste generation and mode of Disposal other than C&D	Quantity – 50 kg/day Solid waste will be generated and collected manually and handed over to local body for further processing
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	Quantity:1,230 kg/day Mode of disposal: Organic waste converter Capacity of facility: 1,000 kg/day and 250 kg/day Area required: 25 Sqm
	b.	Quantity of non-biodegradable waste generation and mode of Disposal as per norms	Quantity – 1,840kg/day Mode of Disposal:Recyclable waste will be given to the waste collectors for recycling for further processing. Area required:15 Sqm
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity: 2.95KL/annum Mode of Disposal: Authorized waste oil recyclers Area required: 20 Sqm
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity:15.35 TPA Mode of Disposal:Authorized & approved KSPCB E-waste processors. Area required:20 Sqm
19		POWER	
	a.	Total Power Requirement - Operational Phase	BESCOM – 11,100 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	5 x 625 KVA and 5 x 500 KVA
	c.	Details of Fuel used for DG Set	Diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as Solar energy, Copper wound transformer are proposed in the project – 30 %.
20		PARKING	
	a.	Parking Requirement as per norms(ECS)	Required – 2,169 Nos Provided – 2,773 Nos
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	**Road** / **Towards** / **LOS** SH-35 / Varthur Kodi Junction / C SH-35 / Dommasandra / C HAL Road / Varthur Kodi Junction / C HAL Road / Marathahalli / C
	c.	Internal Road width (RoW)	8.0 m

21	CER Activities	• Provision of Smart class, Rainwater Harvesting system, Water purification system and Sanitation facility to the K S Govt Model Primary School, Immadihalli (1.7 km – NE). • Provision of Smart class, Rainwater Harvesting system, Water purification system and Sanitation facility to the Government school, Ramagondanahalli (700m – NW). • Provision of Smart class, Rainwater Harvesting system, Water purification system and Sanitation facility to the Government Higher Primary school, Sorahunase (1.10 km – SE). • Providing the necessary requirements for the Primary Health Centre (PHC) Siddapura – 1.40 km (NW). • Providing the necessary requirements to the Government Hospital, Varthur– 1.8 km (NE). • Providing the necessary requirements to UPHC, Health Center, Hagaduru. – 1.5(S) • Providing the necessary requirements for the Anganawadi Kendra-3.3 km (SW).
22	EMP (Details and capital cost & recurring cost)	• **During Construction Phase:** Capital cost for EMP – Rs. 33 Lakhs Maintenance cost – Rs. 3.70 Lakhs • **During Operation Phase:** Capital cost for EMP – Rs. 750 Lakhs Maintenance cost – Rs. 70 Lakhs

The proposal is for construction of a residential apartment project in an area earmarked for residential use as per RMP of Bangalore Development Authority with BUA of 4,84,533.38Sqm in plot area of 1,13,462.2Sqm, for which MoEF&CC had issued ToR on 20.02.2024.

The Committee during appraisal sought details regarding waterbody and drain as per village map, sensitive zone and rain water harvesting provisions proposed in the project. The Proponent informed the Committee that for the water body in western side, 30 mtr buffer from edge is proposed as no development zone and for primary drain in east for which 50 mtr buffer from center is proposed and for the secondary drain in southern side 25 mtr buffer from the center is proposed and for the tertiary drain in western and northern side buffer of 15 mtr on either side is proposed. For sensitive zone, Proponent informed that they had obtained sensitive zone clearance from BDA on 20.09.2023. For harvesting rain water, Proponent informed that they have proposed two storage tanks of 250 cum for runoff from rooftop and another to the tanks of 270 cum & 310 cum for runoff from hardscape and landscape areas along with 61 recharge pits within the site area.

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

The Proponent agreed to grow 1340 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

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

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

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 2x250cum, 270cum & 310cum and 61 recharge pits.
5. To grow 1340 trees in the early stage before taking up of construction.
6. To provide bellmouth entry/exist from the approach road.
7. To source external water from KGWA approved water tankers.
8. To dispose the excess treated water through BWSSB.
9. STP location should be away from the water body.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

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

315.1.5 Residential Apartment with Club House Project at Doddanekundi Village, Krishnarajapuram Hobli, Bengaluru East Taluk, Bengaluru Urban District by M/s. Grandus Infra Projects Pvt. Ltd. - Online Proposal No.SIA/KA/INFRA2/485731/2024(SEIAA 78 CON 2024)

About the project:

Sl.No.		PARTICULARS	INFORMATION PROVIDED by PP
1		Name & Address of the Project Proponent	Mr. Srinath Muni Reddy, Managing Director M/s. Grandus Infra Projects Pvt. Ltd., No.112, Srihari Nivas, Near Post Office, Doddanakundi, Bengaluru – 560 037.
2		Name & Location of the Project	Residential Apartment with Club House Project at Sy.No.18/1 of Doddanekundi Village, Krishnarajapuram Hobli, Bengaluru East Taluk, Bengaluru Urban District.
3		Type of Development	Residential Apartmentwith club house
	a.	Residential Apartment/~~Villas / Row Houses/Vertical Development/Office/IT/ ITES/ Mall/ Hotel/ Hospital /other~~	248 No. of Residential units 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 Residential Main Zone and also 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 on southeast side of the project site which is at a distance of 31.68 m away from the project site. There is no kunte/lake/waterbody within 30 m radius of the project site.
6	Plot Area (Sqm)	9628.69 Sqm
7	Built Up area (Sqm)	41715.76 Sqm
8	• FAR Permissible • Proposed	2.25 2.249
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Proposed project comprising of 248 no. of residential units with club house distributed over 2BF+GF+11UF with a maximum height of 40.0m.
10	Number of units/plots in case of Construction/Residential Township /Area Development Projects	NA
11	Height Clearance	As per CCZM, the permissible height is 32.89 m and there is an upcoming IT/BT building from M/s. Bagmane Developers Pvt. Ltd., near to proposed project site, which is around 0.88 km towards southern side of our project site and they have obtained NOC from HAL and they have obtained permissible height for 44.5 m and proposed height is 40 m height
12	Project Cost (Rs. In Crores)	Rs.78.60 Crores
13	Quantity of Excavated earth & its management	Total Excavated earth quantity –31880m^3 For Backfilling – 11158m^3 For Landscaping – 5560m^3 For driveway & hardscape – 6956m^3 For site formation – 8206 m^3
14	Details of Land Use (Sqm)	
a.	Ground Coverage Area	2472.47 Sqm
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2779.78 Sqm
d.	Internal Roads	3478.60 Sqm
e.	Paved area	
f.	Others Specify	Services – 216 Sqm Road widening area - 681.84 Sqm
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
h.	Total	9,628.69 Sqm

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	24 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	4.5KLD	
	d.	Waste water generation in KLD	4.0 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Domestic sewage generated during construction phase will be collected and 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	Fresh	115KLD
			Flushing	58KLD
			Total	173KLD
	b.	Source of water	**BWSSB**	
	c.	Wastewater generation in KLD	156 KLD	
	d.	STP capacity and area required	STP Capacity –160KLDand area 180Sqm	
	e.	Technology employed for Treatment	Sequential Batch Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	Excess 72 KLD for construction works/avenue plantation.	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	200 cum	
	b.	No's of Ground water recharge pits	6 No. of deep recharge wells.	
17		Storm water management plan	Storm water sump of capacity 100 cum will be provided. Internal garland drains will be provided within the site in order to carry out the storm water into the recharge wells and will be managed within the site, excess runoff will be routed to the external storm water drain on southernside of the project site.	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Construction & Demolition waste and its management	Demolition Waste: 40 tons will be used for road formation within the site and steel channels/sheets will be used for marketing office/barricades to our upcoming projects. Construction debris – 21 Tons This will be reused within the site for road and pavement formation.	

	b.	Quantity of Solid waste generation and mode of Disposal other than C&D.	Total quantity of solid waste generated is 10.0 kg/day. In which, 4.0 kg/day is the biodegradable waste & 6.0 kg/day is the non-biodegradable waste and this will be handed over to BBMP.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	Quantity:	203 kg/day
			Mode of Disposal:	This will be segregated at household levels and will be processed in proposed organic waste converter.
			Capacity of facility:	250 kg/day
			Area required:	28 Sqm
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity:	305 kg/day
			Mode of Disposal:	Recyclable wastes will be handed over to authorized waste recyclers
			Area required:	9 Sqm
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity:	Waste Oil Generation: 60 L/Annum (0.12 L/ running) hour of DGs.
			Mode of Disposal:	Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.
			Area required:	9 Sqm
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity:	0.62 Ton/Annum
			Mode of Disposal:	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.
			Area required:	9 Sqm
19		POWER		
	a.	Total Power Requirement - Operational Phase	1510 kVA	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	400 KVA – 2 Nos. with stack height of 6 m ARL.	
	c.	Details of Fuel used for DG Set	176.96 l/hr	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	5 star rated transformer, solar PV panels, solar water heater, LED, energy efficient PHE pumps, VFDs in lifts etc. The overall energy savings is around 39.80 %	
20		PARKING		
	a.	Parking Requirement as per norms	273 No. of cars. (provided – 351 No. of cars) 25 % i.e., 69 no. of EV charging facility will be provided in total parking.	

	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	**Approach**	**Existing**	**Changed after metro**
			Towards ORR	0.15 - A	0.25 – B
			ORR		
			Towards Bellandur	MCW – 0.56 'C' SR – 0.45 'C'	MCW- 0.43 'C' SR – 0.35 'B'
			Towards K.R Puram	MCW – 0.54 'C' SR – 0.47 'C'	MCW- 0.42 'C' SR – 0.36 'B'
	c.	Internal Road width (RoW)	13.70 m wide Approach Road		
21		CER Activities	Providing desktops to Government High School Doddanekundi		
22		EMP (Details and capital cost & recurring cost)	During Construction: Capital Investment – 13.0 Lakh Construction – 59.38 Lakh During Operation: Capital investment – 299.33 Lakh Operation Investment – 23.96 Lakh/annum		

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that there is an old shed and demolition waste of 40 Tons to be used within the site area. The Committee noted the clarification.

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

The Committee during appraisal sought details regarding road as per zoning map and rainwater harvesting provisions proposed in the project. The Proponent informed the Committee that the for the 15mtr wide road as per zoning map in north eastern side is left as it is in the proposed project. For harvesting rainwater, Proponent informed that they have proposed storage tank of capacities 200 cum for runoff from rooftop and another tank of 100 cum for the runoff from hardscape and landscape areas and 6 recharge pits within the site area.

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

The Proponent agreed to grow 90 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

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

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

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.

4. To provide recharge tank of capacity 200 cum, 100cum and 6 recharge pits.
5. To grow 90 trees in the early stage before taking up of construction.
6. To provide bellmouth entry/exist from the approach road.
7. To source external water from KGWA approved water tankers.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

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

315.1.6 Residential Villas Project at Sorahunase Village,Varthur Hobli, Bengaluru East Taluk, Benaluru Urban District by M/s. Markon Homes - Online Proposal No.SIA/KA/INFRA2/485311/2024 (SEIAA 77 CON 2024)

About the Project:

Sl.No.		Particulars	Information Provided by Proponent
1		Name & Address of the Project Proponent	Mr. Srinivasulu Kondamuri – Managing Partner Site No. 73, 1st Floor, "KRISHNA", Karthik Nagar, LRDE Employee Housing Co-operative Society Layout, Doddanekundi Village, K.R. Puram Hobli, Bengaluru-560 037
2		Name & Location of the Project	**M/s. Markon Homes at** Sy. Nos.47/1, 47/2, 47/25, 49/4, 49/5 & 49/6 of Sorahunase Village, Varthur Hobli, Bengaluru East Taluk
3		Type of Development	Construction of Residential Villas
	a.	Residential Apartment/Villas/ Row Houses/Vertical Development /Office/IT/ITES/ Mall/ Hotel/ Hospital /other	Residential Villas **Category 8 (a)**
	b.	Residential Township/ Area Development Projects	NA
	c.	Zoning Classification	
4		New/ Expansion/ Modification/ Renewal	New
5		Water Bodies/ Nalas in the vicinity of project site	Nala passing towards North West side of the project site
6		Plot Area (Sqm)	23,876.27 Sqm
7		Built Up area (Sqm)	22,904.92 Sq m
8		FAR • Permissible • Proposed	 2.00 0.943
9		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	06 number of Residential Villas Building No. 1 = Ground Floor + 02 Upper Floors Building No. 2 = Ground Floor + 02 Upper Floors Building No. 3 = Ground Floor + 02 Upper Floors Building No. 4 = Ground Floor + 02 Upper Floors Building No. 5 = Ground Floor + 02 Upper Floors Building No. 6 = Ground Floor + 02 Upper Floors

10	Number of units/plots in case of Construction/Residential Township /Area Development Projects	88 units		
11	Height Clearance	Proposed Site elevation – 906 m AMSL Height of the Building – 10.05 m Required elevation – 916.05 m AMSL As per CCZM, Elevation – 928 m AMSL		
12	Project Cost (Rs. In Crores)	Rs. 35 Cr.		
13	Quantity excavated earth &its management	**Demolition Waste:** Not Applicable **Excavated Earth:** Quantity of Earth Work Excavation : 9000 cum Backfilling with available earth : 2250 cum Top soil requirement for landscape development on natural earth: 3500 cum Earth used for formation of internal roads : 2800 cum Excavated earth of used for site levelling within the site: 450 cum		
14	Details of Land Use (Sqm)			
a.	Ground Coverage Area	9145.00		
b.	Kharab Land	505.85 Sqm		
c.	Total Green belt on Mother Earth	7293.77 Sqm		
d.	Internal Roads	5664.83 Sqm		
e.	Paved area			
f.	Others Specify • Civic Amenity area • Road widening area	1168.56 Sqm 99.50 Sqm		
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-		
h.	Total	23,876.27 Sq m		
15	WATER			
I.	Construction Phase			
a.	Source of water	Treated Sewage		
b.	Quantity of water for Construction in KLD	20 KLD		
c.	Quantity of water for Domestic Purpose in KLD	5 KLD		
d.	Waste water generation in KLD	4 KLD		
e.	Treatment facility proposed and scheme of disposal of treated water	Proposed to dispose the domestic sewage to mobile STP within the site premises		
II.	Operational Phase			
a.	Total Requirement of Water in KLD	Fresh	40 KLD	
		Recycled	20 KLD	
		Total	60 KLD	
b.	Source of water	**BWSSB**		
c.	Wastewater generation in KLD	54 KLD		
d.	STP capacity and Area required	60 KLD and 80 Sqm		
e.	Technology employed for Treatment	SBR		

	f.	Scheme of disposal of excess treated water if any	
16		Infrastructure for Rain water harvesting	
	a.	Capacity of sump/tank to store Roof & Hardscape/soft scape run off	2 numbers of 50 m^3
	b.	No's of Ground water recharge pits	12 No's
17		Storm water management plan	The storm water produced within the site will be directed to recharge pits provided around the periphery of the site.
18		WASTE MANAGEMENT	
	I.	Construction Phase	
	a.	Quantity of Construction & Demolition waster and its management	Demolition Waste of 5 Cum to be handled within the site area Generated construction waste to be handled within the site area
	b.	Quantity of Solid waste generation and mode of Disposal other than C & D.	Generated construction waste to be handed over to BBMP authorities
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms (Capacity of OWC & Area required)	Quantity: 88 Kgs/day Mode of Disposal: Organic waste convertor of capacity 50 Kg/hr Capacity of facility: Organic waste convertor of capacity 50 Kg/hr Area required: 60 Sqm
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity: 132 kgs/day Mode of Disposal: Will be handed over to authorized vendors Area required: 60 Sqm
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity: 100 Liters/Annum (Diesel waste oil) Mode of Disposal: Will be handed over to authorized vendors Area required: 20 Sqm
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity: 100 Kg/Annum Mode of Disposal: Will be handed over to authorized vendors Area required: 30 Sqm
19		POWER	
	a.	Total Power Requirement - Operational Phase	The power requirement is about 480 KW
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 No of capacity 125 KVA
	c.	Details of Fuel used for DG Set	HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	14.6% savings
20		PARKING	
	a.	Parking Requirement as per norms (ECS)	182 ECS

<table>
<tr><td></td><td>b.</td><td>Level of Service (LOS) of the connecting Roads as per the Traffic Study Report</td><td>B</td></tr>
<tr><td></td><td>c.</td><td>Internal Road width (RoW)</td><td>9 m</td></tr>
<tr><td>21</td><td colspan="2">CER Activities</td><td>To provide sanitary works, road development & avenue plantation to Sorahunase Govt. School</td></tr>
<tr><td>22</td><td colspan="2">EMP (Details and capital cost & recurring cost)</td><td>• Construction phase:
<table><tr><td>Traffic Maintenance</td><td>0.4</td></tr><tr><td>Greenery development</td><td>5.2</td></tr><tr><td>Solar Applications</td><td>2.4</td></tr><tr><td>D.G. Maintenance</td><td>1.8</td></tr><tr><td>Solid/Hazardous/E-Waste/ Bio-Medical Waste Management</td><td>5.4</td></tr><tr><td>Environmental Monitoring Services</td><td>3.6</td></tr><tr><td>Total</td><td>29.8</td></tr></table>• Operation phase
<table><tr><th>Description</th><th>Financial provision in Rs. Lakhs</th></tr><tr><td>Mobile STP operation and Maintenance</td><td>2.4</td></tr><tr><td>Traffic Maintenance</td><td>0.20</td></tr><tr><td>Barricade covers</td><td>4.8</td></tr><tr><td>Water Sprinklers</td><td>2.8</td></tr><tr><td>Mobile D.G. Maintenance</td><td>1.8</td></tr><tr><td>Environmental Monitoring Services</td><td>4.5</td></tr><tr><td>Total</td><td>16.50</td></tr></table></td></tr>
</table>

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that there is an old shed and demolition waste of 5 cum would be used within the site area. The Committee noted the clarification.

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

The Committee during appraisal sought details regarding foot kharab & drain as per village map and rain water harvesting provisions proposed in the project. The Proponent informed the Committee that for the foot kharab in the site area, they had obtained reroute order from DC dated 07.08.2023 and accordingly had rerouted the foot kharb and provided free public access in the foot kharab area and for the tertiary drain in north west, buffer of 15 mtr from center has been proposed. For harvesting rain water, Proponent informed that they have proposed storage tank of 2x50 cum for runoff from rooftop, hardscape and landscape areas with 12 recharge pits within the site area.

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

The Proponent agreed to grow 90 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

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

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

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tanks of 2x50 cum and 12 recharge pits.
5. To grow 90 trees in the early stage before taking up of construction.
6. To source external water from KGWA approved water tankers.
7. To provide bellmouth entry/exist from the approach road.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators in individual units to conserve water.

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

315.1.7 Development of "Residential Apartment and Club House" Project at Neraluru Village, Attibele Hobli, Anekal Taluk, Bengaluru Urban District by Sri N C Kishor Kumar - Online Proposal No.SIA/KA/INFRA2/479642/2024 (SEIAA 80 CON 2024)

About the project:

Sl.No		PARTICULARS	INFORMATION Provided by PP
1		Name & Address of the Project Proponent	Mr. N.C Kishor Kumar, Owner. No.08, Neraluru Village, Hosur Main Road, Anekal Taluk, Bengaluru - 562107
2		Name & Location of the Project	Residential Apartment & club house Project at Sy. Nos.253/1, 253/2 & 266 of Neraluru Village, Attibele Hobli, Anekal Taluk, Bengaluru Urban District – 562107
3		Type of Development	
	a.	Residential Apartment/Villas / Row Houses/Vertical Development/Office/IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartment and club house Category 8(a)
	b.	Residential Township/ Area	NA

		Development Projects	
	c.	Zoning Regulations	As per the Anekal Local Planning Area Master Plan – 2031 (Map No. AT-2), the proposed project site is designated as Residential Zone
4		New/ ~~Expansion/ Modification/ Renewal~~	New
5		Water Bodies/ Nalas in the vicinity of project site	As per village map, there is a tertiary nala on eastern side of the project site which is at a distance of 23.76 m from the site boundary and another tertiary nala on northeast corner of the site which is at a distance of 15.84 m from the project site boundary.
6		Plot Area (Sqm)	20,942.39 Sqm
7		Built Up area (Sqm)	65,655.34 Sqm
8		FAR • Permissible • Proposed	 2.25 2.249
9		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Block 1 & 3: GF+14UF, Block 2: BF+GF+9UF and club house: GF+3UF with a maximum height of 44.95 m.
10		Number of units/plots in case of Construction/Residential Township/Area Development Projects	346 no.
11		Height Clearance	44.95 m (As per CCZM, the permissible height is 115 m and the height achieved for our proposed building is 44.95 m)
12		Project Cost (Rs. In Crores)	Rs. 141.30 Crores
13		Quantity of Excavated earth & its management	Total Excavated earth quantity – 12,282 m3 For Backfilling – 4,913 m3 For Landscaping – 4,467 m3 For Driveway – 2,902 m3
14		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	4,222.44 Sqm
	b.	Kharab Land	--
	c.	Total Green belt on Mother Earth	7,445.08 Sqm
	d.	Internal Roads	7,804.79 Sqm
	e.	Paved area	
	f.	Others Specify	Service Area – 120 Sqm Area left for load – 302.96 sqm CA Area – 1047.12 Sqm
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
	h.	Total	20,942.39 Sqm
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	37 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	6.8 KLD	
	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 used for dust suppression/ landscaping within the site.	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	160 KLD
			Flushing	81 KLD
			Total	241 KLD
	b.	Source of water	**Borewell & Rainwater harvesting**	
	c.	Wastewater generation in KLD	217 KLD	
	d.	STP capacity	STP Capacity – 265 KLD (area 295 Sqm)	
	e.	Technology employed for Treatment	Sequential Batch Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	Excess 71 KLD for construction works/ Avenue plantation.	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump/tank to store Roof & Hardscape/soft scape run off	Roof Rain water sump – 500 Cum Storm Water sump - 240 Cum	
	b.	No's of Ground water recharge pits	29 Nos.	
17		Storm water management plan	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 western side of the site	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Construction & Demolition waster and its management	Demolition Waste: There is an existing structure in the project site, which will be demolished during site preparation & generated waste debris of quantity 5 tons will be used for internal road / driveway formation. Construction Waste: Construction debris generated from the whole project is 33 tons and this will be reused within the site for road and pavement formation.	
	b.	Quantity of Solid waste generation and mode of Disposal as per norms	Total quantity of solid waste generation is 15 Kg/day. In which, 6 kg/day is the biodegradable waste & 9 kg/day is the non-biodegradable waste and this will be handed over to local vendors.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	Quantity:	284 kg/day
			Mode of Disposal:	This will be segregated at household levels and will be processed in proposed organic waste converter.
			Capacity of facility:	300 kg/day
			Area required:	28 Sqm

	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity:	425 kg/day
			Mode of Disposal:	Recyclable wastes will be handed over to authorized waste recyclers
			Area required:	10 Sqm
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity:	75 L/Annum (0.15 L/ running) hour of DG
			Mode of Disposal:	Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.
			Area required:	8 Sqm
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity:	0.87 ton/annum
			Mode of Disposal:	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.
			Area required:	8 Sqm
19		POWER		
	a.	Total Power Requirement - Operational Phase	2107 kVA	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500 KVA – 2 Nos. Stack Height ARL - 7 m	
	c.	Details of Fuel used for DG Set	221.20 l/hr	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	5star transformer, Solar Lights, solar water heater, LED, high efficiency Pumps and motors in Lifts etc The overall energy savings is around 36.8 %	
20		PARKING		
	a.	Parking Requirement as per norms (ECS)	381 No. of cars. (provided – 455 No. of cars) (25% i.e. 95 Nos. of the EV Charging facility will be provided)	
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Road / Towards / Existing / Changed	
			Neraluru Road	A / A
			Hosur road (MCW) – Hosur	C / D
			Hosur road (MCW) – Bengaluru City	D / D
			Hosur road (SR) – Hosur	C / C
			Hosur road (SR) – Bengaluru City	C / C
	c.	Internal Road width (RoW)	15.0 m wide Neraluru road	
21		CER Activities	Renovation of class rooms & drinking water facility to Govt. Higher Kannada & English Primary School, Neraluru Village	
22		EMP (Details and capital cost & recurring cost)	Construction Phase: Capital Investment – 12.20 Lakh Construction – 70.18 Lakh Operation Phase: Capital investment – 449.83 Lakh Operation Investment – 20.0 Lakh/annum	

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 demolition waste of 5 ton would be used within the site area. The Committee noted the clarification.

The proposal is for construction of a residential building in an area earmarked for residential use as per Anekal Local Planning Area.

The Committee during appraisal sought details regarding source of water, drain, cart track & foot kharab as per village map and rain water harvesting provisions proposed in the project. The Proponent informed the Committee that they had obtained borewell drilling permission from KGWA on 08.07.2024. The Proponent informed the Committee that the drain in north east is at a distance of 15.84 mtr outside the project boundary and there is an existing public road for the area demarcated as cart track in north east which has been left as it is and for the foot kharab in east, Proponent informed that it is out side the project boundary. For harvesting rainwater, Proponent informed that they have proposed storage tank of 500 cum for runoff from rooftop and another tank of 240 cum for runoff from hardscape and landscape areas with 29 recharge pits within the site area.

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

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

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

The Committee informed in Proponent is submit hydrological assessment report for ground water from accrediated consultant informing about the availability of water for the proposed project and Committee after discussion decided to defer the proposal for want of information sought.

Action: Member Secretary, SEAC to put up before SEAC after submission of information sought

315.1.8 Residential Development Plan with Club House (392 UNITS) Project at Sampigehalli Village, Yelahanka Hobli, Yelahanka Taluk, Bengaluru Urban District by M/s.SNN Construction Pvt. Ltd. - Online Proposal No.SIA/KA/INFRA2/485377/2024 (SEIAA 76 CON 2024)

About the project:

Sl.No.	Particulars	Information Provided by Proponent
1	Name & Address of the Project Proponent	M/s. SNN CONSTRUCTIONS PVT. LTD. No. 04, Diagonal Road, 3rd Block Jayanagar, Bengaluru South, Bengaluru Urban-560011.
2	Name & Location of the Project	Residential Development Plan with club house project at Sy.No.26/3 of Sampigehalli Village, Yelahanka Hobli, Yelahanka Taluk, Bengaluru.

3		Type of Development	
	a.	Residential Apartment/ Villas/ Row Houses /Vertical Development/ Office/ IT/ ITES /Mall/ Hotel/ Hospital /other	Residential Apartment with club house Category 8(a) as per EIA Notification 2006.
	b.	Residential Township/ Area Development Projects	NA
	c.	Zoning Classification	As per CDP - 2015 project site comes under Residential (main) zone.
4		New/Expansion/Modification/ Renewal	New
5		Water Bodies/ Nalas in the vicinity of project site	NA
6		Plot Area (Sqm)	20,234.30
7		Built Up area (Sqm)	93,924.60
8		FAR • Permissible • Proposed	3.04 (2.50+0.54) (including TDR) 3.04
9		Building Configuration [Number of Blocks/Towers/Wings etc., with Numbers of Basements and Upper Floors]	Residential Building Towers 1, 2, 3 & 4 Apartment is (2B+G+17 UF)
10		Number of units/plots in case of Construction/Residential Township /Area Development Projects	No. of Units: 392 units
11		Height Clearance	As per CCZM permissible height is 1035m AMSL and proposed height is 974.9m AMSL
12		Project Cost (Rs. In Crores)	Rs. 300.0 Cr
13		Quantity excavated earth & its management	

Sl.No.	Description	Quantity	Unit
A	Earth Work Excavation	80,000	Cum
a	For Backfilling	35,000	Cum
b	Top soil requirement for landscape development on natural earth and podium	20,000	Cum
c	Earth used for formation of internal roads	25,000	Cum

14		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	10,117.15 Sqm
	b.	Kharab Land	NA
	c.	Total Green belt on Mother Earth	4,046.86 Sqm
	d.	Internal Roads	5,058.575 Sqm
	e.	Paved area	
	f.	Others Specify	C.A. Site Area – 1,011.72 Sqm
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	--
	h.	Total	20,234.3 Sqm

15	WATER			
I.	Construction Phase			
a.	Source of water	BWSSB treated water/our own STP treated water		
b.	Quantity of water for Construction in KLD	25 KLD		
c.	Quantity of water for Domestic Purpose in KLD	8 KLD		
d.	Waste water generation in KLD	7 KLD		
e.	Treatment facility proposed and scheme of disposal of treated water	Mobile Sewage Treatment Plant		
II.	Operational Phase			
a.	Total Requirement of Water in KLD	Fresh	200	
		Recycled	114	
		Total	314	
b.	Source of water	**BWSSB**		
c.	Wastewater generation in KLD	283		
d.	STP capacity and Area required	STP capacity	300 KLD	
		Area required	300 Sqmt	
e.	Technology employed for Treatment	SBR Technology		
f.	Scheme of disposal of excess treated water if any	Excess 136 KLD will be used for Floor washing and nearby Construction Project		
16	Infrastructure for Rain water harvesting			
a.	Capacity of sump/tank to store Roof & Hardscape/soft scape run off	115 m3x 2 Nos. of collection sump is provided Area required for Rain water tank is 230 Sqmt		
b.	No's of Ground water recharge pits	21 Nos.		
17	Storm water management plan	Have provided 115 m3 2 Nos.of roof water collection sump. The quantity of storm water produced within the site will be directed to recharge pits of 21 Nos. provided around the periphery of the site		
18	WASTE MANAGEMENT			
I.	Construction Phase			
a.	Quantity of Construction & Demolition waster and its management	Demolition Waste Construction Waste		
		C & D waste generated will be very minimal; this will be utilized within in the project site for formation of paved roads.		
b.	Quantity of Solid waste generation and mode of Disposal other than C&D.	Quantity of solid waste generation during construction other than C & D. - 0.5 kg/day		
		Mode of Disposal: Given to BBMP authorities		
II.	Operational Phase			
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms (Capacity of OWC & Area required)	Quantity	455 kg/day	
		Mode of Disposal	Biodegradable waste will be processed in organic waste converter	
		Capacity of facility	460 kg/day of capacity	
		Area required	15 Sqmt	
b.	Quantity of Non- Biodegradable waste generation and mode of	Quantity	683 kg/day	
		Mode of	Non- Biodegradable waste will be	

		Disposal as per norms	Disposal	given to authorized vendors
			Area required	20 Sqmt
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity	100-120 lts
			Mode of Disposal	Will be given to PCB authorized recycler
			Area required	10 Sqmt
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity	80 kg/year
			Mode of Disposal	Will be given to PCB authorized recycler
			Area required	10 Sqmt
19		POWER		
	a.	Total Power Requirement - Operational Phase	1568 KW	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500 KVA X 3 Nos.	
	c.	Details of Fuel used for DG Set	Low a Sulphuric diesel	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	14.0%	
20		PARKING		
	a.	Parking Requirement as per norms (ECS)	770	
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report on ORR towards Sarakki signal is B and towards Kadarenahalli cross is B	
	c.	Internal Road width (RoW)	8.0	
21		CER Activities	Infrastructure development of nearby government school & hospital	
22		EMP (Details and capital cost & recurring cost)	Construction phase	Rs. 125.0 lakhs
			Operation phase	Rs. 822.0 lakhs

The proposal is for construction of a residential building in an area earmarked for residential useas per RMP of BDA.

The Committee during appraisal sought details regarding cart track as per village map and rain water harvesting provisions proposed in the project. The Proponent informed the Committee that they there is an existing public road in the area demarcated as cart track in southern side and which is also an approach road to the project.For harvesting rain water, Proponent informed that they have proposed storage tank of 115 cum for runoff from rooftop and another tank of 115 cum for runoff from hardscape and landscape areas and with 21 recharge pits within the site area. The Proponent informed the Committee that the proposed project area is not inside the sensitive zone as per zoning map.

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

The Proponent agreed to grow 255 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

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

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

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tanks of 115x2 cum and 21 recharge pits.
5. To grow 255 trees in the early stage before taking up of construction.
6. To source external water from KGWA approved water tankers.
7. To provide bellmouth entry/exist from the approach road.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. Proponent agreed to provide catalytic converter for DG.
12. To install smart water meters with aerators in individual units to conserve water.

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

315.1.9 Residential Apartment with Club House Project at Jarakabandekaval Village, M.S. Palya, Yelahanka Hobli, Yelahanka Taluk, Bengaluru Urban District by M/s. Sumuk Projects - Online Proposal No.SIA/KA/INFRA2/484612/2024(SEIAA 82 CON 2024)

About the project:

Sl.No.	PARTICULARS	INFORMATION Provided by PP
1	Name & Address of the Project Proponent	Mr. Yashwanth Kumar H., Managing Partner M/s. Sumuk Projects 573/A, 1st Main Road, BEML Layout, RR Nagar, Bengaluru – 560 098.
2	Name & Location of the Project	Development of "Residential Apartment with Club House" Project at BBMP Khatha No: 384/1163/1159/55/5, 23, Sy. Nos.55/5 & 55/23 of Jarakabandekaval Village,M.S. Palya, Yelahanka Hobli, Yelahanka Taluk, Bengaluru Urban District.
3	Type of Development	
a.	Residential Apartment/~~Villas / Row~~	Residential Apartmentwith club house

		~~Houses /Vertical Development/ Office/IT/ITES/ Mall/ Hotel/ Hospital /other~~	Category 8(a)
	b.	Residential Township/ Area Development Projects	NA
	c.	Zoning Classification	As per the BDA RMP-2015, the proposed project site is designated as Residential Main Zone
4		New/ ~~Expansion/ Modification/ Renewal~~	New
5		Water Bodies/ Nalas in the vicinity of project site	--
6		Plot Area (Sqm)	6,200.68Sqm
7		Built Up area (Sqm)	25097.73Sqm
8		FAR • Permissible • Proposed	 3.0 (18602.04 Sqm) 2.7 (16722.35 Sqm)
9		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	BF+GF+4UF with a maximum height of 14.95m.
10		Number of units/plots in case of Construction/Residential Township /Area Development Projects	154 nos.
11		Height Clearance	As per CCZM, the permissible height is 33.5 m and the height achieved for our proposed building is 14.95 m.
12		Project Cost (Rs. In Crores)	Rs.47.30 Crores
13		Quantity of Excavated earth & its management	Total Excavated earth quantity –13420m^3 For Backfilling – 4697m^3 For Landscaping – 3960m^3 For driveway & hardscape – 1253m^3 For site formation – 3510 m^3
14		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	3335.31 Sqm
	b.	Kharab Land	--
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1980.37 Sqm
	d.	Internal Roads	835Sqm
	e.	Paved area	
	f.	Others Specify	Services - 50Sqm
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
	h.	Total	6200.68Sqm
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	13KLD	
	c.	Quantity of water for Domestic Purpose in KLD	2.7KLD	
	d.	Waste water generation in KLD	2.4 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Domestic sewage generated during construction phase will be collected and 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	Fresh	72 KLD
			Flushing	36 KLD
			Total	108 KLD
	b.	Source of water	**BWSSB**	
	c.	Wastewater generation in KLD	97 KLD	
	d.	STP capacity and area required	STP Capacity –100 KLD and area 98 Sqm	
	e.	Technology employed for Treatment	Sequential Batch Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	Excess 42 KLD for construction works/avenue plantation.	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	250 cum	
	b.	No's of Ground water recharge pits	12 Nos.	
17		Storm water management plan	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 western side of the project site.	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Construction & Demolition waste and its management	Demolition Waste: Nil Construction debris – 13 Tons This will be reused within the site for road and pavement formation.	
	b.	Quantity of Solid waste generation and mode of Disposal other than C&D.	Total quantity of solid waste generated is 6.0 kg/day. In which, 2.4 kg/day is the biodegradable waste & 3.6 kg/day is the non-biodegradable waste and this will be handed over to local vendors.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal	Quantity:	126 kg/day
			Mode of Disposal:	This will be segregated at household levels and will be

		as per norms		processed in proposed organic waste converter.
			Capacity of facility:	150 kg/day
			Area required:	18 Sqm
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity:	190 kg/day
			Mode of Disposal:	Recyclable wastes will be handed over to authorized waste recyclers
			Area required:	6 Sqm
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity:	Waste Oil Generation: 45 L/Annum (0.09 L/ running) hour of DGs.
			Mode of Disposal:	Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.
			Area required:	6 Sqm
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity:	0.39 Ton/Annum
			Mode of Disposal:	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.
			Area required:	6Sqm
19		POWER		
	a.	Total Power Requirement - Operational Phase	1234 kVA	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	300 KVA – 2 Nos. with stack height of5 m ARL	
	c.	Details of Fuel used for DG Set	132.72 l/hr	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	5 star rated transformer, solar lights, solar water heater, LED, energy efficient PHE pumps, lifts etc. The overall energy savings is around 39.30 %	
20		PARKING		
	a.	Parking Requirement as per norms	170 No. of cars. (provided – 171 No. of cars) 25 % i.e., 39 no. of EV charging facility will be provided in total parking.	
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Major Sandeep Unnikrishnan Road	Existing	Changed after 3 years
			Yelahanka	0.43 - 'C'	0.52 -'C'
			BEL circle	0.32 - 'B'	0.39 - 'B'
	c.	Internal Road width (RoW)	24.10 m wide Yelahanka/Major Sandeep Unnikrishnan Road		
21		CER Activities	Providing desktops to Vidyaranyapura Government High School		
22		EMP (Details and capital cost &	During Construction:		

	recurring cost)	Capital Investment – 7.9 Lakh Construction – 34.33 Lakh During Operation: Capital investment – 272.03 Lakh Operation Investment – 23.84 Lakh/annum

The proposal is for expansion of residential apartment project. Proponent informed that the proposal is for expansion in BUA from 10,070.82 Sqm to 25,097.73 Sqm in plot area of 3,140.59 Sqm to 6,200.68 Sqm. For the existing construction they had obtained plan approval from BBMP on 01.12.2022 and CFE from KSPCB on 14.02.2022 and as per architect certificate dated 22.07.2024, at present BUA of 7,049.57 Sqm has been constructed. Further, the Proponent informed the Committee that the construction waste has been stored within the site area to be used within the site and to be handled as per the provision in C & D Rules 2016.

The Committee during appraisal sought details regarding cart track as per village map, and provisions made regarding rain water harvesting proposed in the project. The Proponent informed the Committee that the cart track in western side is a public road and an approach road to the project. For harvesting rain water, Proponent informed that they have proposed storage tank of 250 cum for runoff from rooftop, hardscape and landscape areas and 12 recharge pits within the site area.

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

The Proponent agreed to grow 80 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

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

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

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 250 cum and 12 recharge pits.
5. To grow 80 trees in the early stage before taking up of construction.
6. To provide bellmouth entry and exit in the proposed project.
7. To source external water from KGWA approved water tankers.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.

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

315.1.10 Proposed Residential Apartment with Club House Project at Kenchenahalli Village, Kengeri Hobli, Bangalore South Taluk, Bangalore Urban District by M/s. Sumadhura Infracon Pvt. Ltd. - Online Proposal No.SIA/KA/INFRA2/486636/2024(SEIAA 79 CON 2024)

About the project:

Sl.No.	Particulars	Information Provided by Proponent
1	Name & Address of the Project Proponent	M/s. Sumadhura Infracon Private Limited, No. 108/2, Millenia Building, 1st Main MSR Layout, Munnekollala Village, Bangalore East Taluk, Bengaluru Urban-560087
2	Name & Location of the Project	Residential Apartment with Club house project by Sy. Nos.25, 26/1A1, 26/1B1 & 26/2B of Kenchenahalli Village, Kengeri Hobli, Bangalore South Taluk, Bangalore.
3	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartment with club house Category 8(a)
b.	Residential Township/ Area Development Projects	NA
c.	Zoning Classification	As per CDP -2015 project site comes under Industrial zone/Mutation corridor
4	New/Expansion/Modification/ Renewal	New
5	Water Bodies/ Nalas in the vicinity of project site	NA
6	Plot Area (Sqm)	13,959.39
7	Built Up area (Sqm)	69,480.02
8	FAR • Permissible • Proposed	 3.25 3.25
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Residential Building: 3B+G+28 UF
10	Number of units/plots in case of Construction/Residential Township /Area Development Projects	No. of Units: 297 units
11	Height Clearance	As per CCZM permissible height is 1035m AMSL and proposed height is 909.61m AMSL
12	Project Cost (Rs. In Crores)	Rs. 150.0 Cr
13	Quantity excavated earth & its management	

Sl.No.	Description	Quantity	Unit
A	Earth Work Excavation	50,000	Cum
a	For Backfilling	25,000	Cum
b	Top soil requirement for landscape development on natural earth and podium	10,000	Cum

		c	Earth used for formation of internal roads	15,000	Cum	

14	Details of Land Use (Sqm)			
a.	Ground Coverage Area	1,960.0 SQMT		
b.	Kharab Land	809.36 sqm		
c.	Total Green belt on Mother Earth	3,752.11 SQMT		
d.	Internal Roads	6,795.08 SQMT		
e.	Paved area			
f.	Others Specify	Road widening area is 204.35 Sqm Area under existing road is 438.62 Sqm		
g.	Parks and Open space in case of Residential Township/ Area Development Projects	--		
h.	Total	13,959.39 SQMT		
15	WATER			
I.	Construction Phase			
a.	Source of water	BWSSB treated water/our own STP treated water		
b.	Quantity of water for Construction in KLD	25 KLD		
c.	Quantity of water for Domestic Purpose in KLD	5 KLD		
d.	Waste water generation in KLD	4 KLD		
e.	Treatment facility proposed and scheme of disposal of treated water	Mobile Sewage Treatment Plant		
II.	Operational Phase			
a.	Total Requirement of Water in KLD	Fresh	146	
		Recycled	74	
		Total	**220**	
b.	Source of water	**BWSSB**		
c.	Wastewater generation in KLD	198		
d.	STP capacity and Area required	STP capacity	200 KLD	
		Area required	200Sqmt	
e.	Technology employed for Treatment	SBR Technology		
f.	Scheme of disposal of excess treated water if any	Excess 94 KLD will be used for Floor washing and nearby Construction Project		
16	Infrastructure for Rain water harvesting			
a.	Capacity of sump/tank to store Roof & Hardscape /soft scape run off	110 m3 of collection sump is provided Area required for Rain water tank is 110 Sqmt		
b.	No's of Ground water recharge pits	18 Nos.		

17	Storm water management plan	We have provided 110m3 of roof water collection sump. The quantity of storm water produced within the site will be directed to recharge pits of 18 Nos. provided around the periphery of the site		
18	WASTE MANAGEMENT			
I.	Construction Phase			
a.	Quantity of Construction & Demolition waster and its management	Demolition Waste Construction Waste		
		C & D waste generated will be very minimal; this will be utilized within in the project site for formation of paved roads.		
b.	Quantity of Solid waste generation and mode of Disposal other than C & D.	Quantity of solid waste generation during construction other than C&D.-0.5kg/day		
		Mode of Disposal: Given to BBMP authorities		
II.	Operational Phase			
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms (Capacity of OWC & Area required)	Quantity	400 kg/day	
		Mode of Disposal	Biodegradable waste will be processed in organic waste converter	
		Capacity of facility	400 kg/day of capacity	
		Area required	15 Sqmt	
b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	Quantity	268 kg/day	
		Mode of Disposal	Non- Biodegradable waste will be given to authorized vendors	
		Area required	10 Sqmt	
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity	120-150 lts	
		Mode of Disposal	Will be given to PCB authorized recycler	
		Area required	10 Sqmt	
d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity	90 kg/year	
		Mode of Disposal	Will be given to PCB authorized recycler	
		Area required	10 Sqmt	
19	POWER			
a.	Total Power Requirement -Operational Phase	1140 KW		
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	750 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	15.0%		
20	PARKING			
a.	Parking Requirement as per norms (ECS)	352		
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report on Bangalore - Mysore Road towards Bidadi main road signal is C towards Bangalore City signal is D		
c.	Internal Road width (RoW)	8.0		
21	CER Activities	Infrastructure development of nearby government school & hospital		

22	EMP (Details and capital cost & recurring cost)	Construction phase	Rs. 105.0 lakhs
		Operation phase	Rs. 485.0 lakhs

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that there is a temporary shed and no construction activity had been started. The Proponent informed that earlier they had initially submitted the application for the proposed project with BUA 67,784.79 Sqm and with configuration of 3B+G+27UF and with 286 units but later due to architectural changes they have revised the BUA to 69,480.02 Sqm with configuration of 3B+G+28UF and 297 units and accordingly have uploaded all the revised documents online and requested the Committee to consider the changes. The Committee noted the clarification.

The proposal is for construction of a residential building in an area earmarked for industrial use as per RMP of Bangalore Development Authority, for which Proponent informed the Committee that the proposed project area is located in mutation corridor and the proposed land use is permitted as per zoning body.

The Committee during appraisal sought details regarding cart track & drain as per village map, sensitive zone as per zoning map and rain water harvesting provisions proposed in the project. The Proponent informed the Committee that for the primary drain in eastern side 50 mtr buffer has been proposed from the center of the drain and the cart track in the north east is left as it is and have left set back of 40 mtr from the center of the national highway to building line. For harvesting rain water, Proponent informed that they have proposed storage tank of 110cum for runoff from rooftop, hardscape and landscape areas and 18 recharge pits within the site area.

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

The Proponent agreed to grow 175 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

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

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

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tanks of 110cum and 18 recharge pits.
5. To grow 175 trees in the early stage before taking up of construction.
6. To source external water from KGWA approved water tankers.
7. To provide bellmouth entry/exist from the approach road.
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.

10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators in individual units to conserve water.
12. Not to construct building in HFL of drain.
13. To construct STP away from the drain.

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

315.1.11 Black Granite as Ornamental Stone Quarry Project at Kaggalipura village of Chamarajanagara Taluk and District (2-30 Acres) by Sri N. Srikantamurthy - Online Proposal No.SIA/KA/MIN/485786/2024 (SEIAA 113 MIN 2024)

About the project:

Sl.No.	PARTICULARS	INFORMATION PROVIDED BY PROPONENT
1	Name & Address of the Projects Proponent	Sri N. Srikantamurthy
2	Name & Location of the Project	Black Granite as Ornamental Stone Quarry Project at Sy.No.42/1 in Kaggalipura village of Chamarajanagara Taluk and District (2-30 Acres) N 11° 55' 04.4310" E 76° 49'45.0012" N 11° 55' 04.9001" E 76° 49'46.9065" N 11° 55' 04.8354" E 76° 49'49.0021" N 11° 55' 03.3005" E 76° 49'49.3311" N 11° 55' 01.4315" E 76° 49'48.6102" N 11° 55' 02.6523" E 76° 49'44.3200"
3	Type Of Mineral	Black Granite Quarry Project
4	New/Expansion/Modification/ Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta
6	Area in Acres	2-30 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	2,903 Cum/ annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 1.62 Crores (Rs.162 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	1,45,200Cum (including waste)
10	Permitted Quantity Per Annum-Cu.m/Ton	871 Cum /annum (Recovery)
11	CER Activities: Year: Corporate Environmental Responsibility (CER) 1st: Providing solar power panels to the GHPS school at Kaggalipura Village. 2nd: Rain water harvesting pits to Kaggalipura Village. 3rd: Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages 4th: Conducting E-waste drive campaigns in GHPS at Kaggalipura Village. 5th: Health camp to the GHPS school at Kaggalipura Village.	
12	EMP Budget	Rs. 42.23 lakhs (Capital Cost) & Rs. 9.11 lakhs (Recurring cost)
13	Quarry plan	29.06.2024
14	Forest NoC	23.08.2023
15	Cluster certificate	01.06.2024
16	Revenue NOC	10.10.2023

17	Notification	20.06.2024
18	DTF	20.01.2024

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

As per the cluster sketch there are another 06 leases in a radius of 500 mtr from the said lease and out of which three leases have expired and two leases areas are idle for more than three years and the total area of the remaning leases including applied lease is 6-01 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 790 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphalting 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 and informed that all were within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 1,45,200 cum (including waste) and estimated the life of mine to be coterminous with lease period.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 2,903 cum/annum (including waste), with following consideration,

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

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

315.1.12 Building Stone Quarry Project at Belachalavadi Village, Gundlupete Taluk, Chamarajanagar District (4-06 Acres) by Sri Manjunath V Hebbar - Online Proposal No.SIA/KA/MIN/485206/2024 (SEIAA 114 MIN 2024)

About the project:

Sl.No	PARTICULARS	INFORMATION PROVIDED BY PP
1	Name & Address of the Projects Proponent	Sri Manjunath V Hebbar
2	Name & Location of the Project	Building Stone Project at Sy.Nos.204 & 205/2 of Belachalavadi village, Gundlupete Taluk, ChamarajanagarDistrict (4-06 Acres)

		N 11° 57' 03.3056" E 76° 39' 52.8089" N 11° 57' 01.9025" E 76° 39' 57.3054" N 11° 56' 59.4078" E 76° 39' 56.9024" N 11° 56' 57.4069" E 76° 39' 56.8048" N 11° 56' 57.7049" E 76° 39' 54.3034" N 11° 56'59.807" E 76° 39' 54.6039" N 11° 57' 00.0058" E 76° 39' 52.5018" N 11° 57' 02.1014" E 76° 39' 52.5056"
3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/ Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta
6	Area in Acres	4-06 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	2,31,579 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 1.58 Crores (Rs.158 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	21,61,926 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	2,20,000 Tones/Annum (excluding waste)
11	CER Activities:	

Year	Corporate Environmental Responsibility (CER)
1st	Providing solar power panels to GHPS at Belachalavadi village
2nd	Rain water harvesting pits to the GHPS in Belachalavadi village.
3rd	Conducting E-waste drive campaigns in the Belaguppe village
4th	Scientific support and awareness to local farmers to increase yield of crop and fodder
5th	Health camp in the GHPS in Belachalavadi village.

12	EMP Budget	Rs. 36.54 lakhs (Capital Cost) & Rs. 7.73 lakhs (Recurring cost)
13	Forest NOC	25.07.2023
14	Quarry plan	06.07.2024
15	Cluster certificate	26.06.2024
16	Revenue NOC	19.06.2023
17	Notification	04.03.2024
18	JIR	14.09.2023

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

As per the cluster sketch there is no lease in a radius of 500 mtr from the said lease and the total area of the present lease is 4-06 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 410 meters connecting the lease area to the all-weather black topped road. The Committee informed that the mining operation should be commenced after asphalting the approach road to the quarry and road leading to crusher as per IRC norms and to grow trees all along the approach road during the first year of operation, for which the Proponent agreed.

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

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 21,61,926 Tons (including waste) and estimated the life of the quarry to be 10 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 2,31,579 tons/year (including waste), with following consideration,

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

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

315.1.13 Ordinary Sand Mining Project at Vasan Village, Naragund Taluka, Gadag District (6-04 Acres) by Sri Imamhusen A Danked S/o Abdul Sattar Danked - Online Proposal No.SIA/KA/MIN/486809/2024 (SEIAA 112 MIN 2024)

About the project:

Sl.No	PARTICULARS	INFORMATION PROVIDED BY PROPONENT
1	Name & Address of the Projects Proponent	Sri Imamhusen A Danked S/o Abdul Sattar Danked
2	Name & Location of the Project	Ordinary Sand Mining Project at Sy.Nos. 5/2C, 5/2D, 5/2E, 5/2F, 5/2G, 5/2H, 5/2I, 5/2J, 5/2K, 5/2L, 5/2M, 5/2N, 5/2O, 5/3, 5/4, 5/5 & 5/6 of Vasan Village, Naragund Taluka, Gadag District (6-04 Acres)
		N 15° 52' 23.00" E 75° 29' 15.20"
		N 15° 52' 23.30" E 75° 29' 13.60"
		N 15° 52' 23.70" E 75° 29' 11.70"
		N 15° 52' 27.10" E 75° 29' 12.30"
		N 15° 52' 27.30" E 75° 29' 11.70"
		N 15° 52' 28.20" E 75° 29' 12.00"
		N 15° 52' 28.20" E 75° 29' 12.50"
		N 15° 52' 31.90" E 75° 29' 13.10"
		N 15° 52' 32.00" E 75° 29' 15.60"
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	6-04 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	30,000 Tons/annum for 2 years, 25,000 Tons for 3rd year & 7,551 Tons/annum for 4th & 5th year (including waste)

8	Project Cost (Rs. In Crores)	Rs. 1.44 Crores (Rs. 144 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	1,00,102 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	30,000 Tons/annum for 2 years, 25,000 Tons for 3rd year & 7,551 Tons/annum for 4th& 5th year (including waste)
11	CER Activities:	

Year	Corporate Environmental Responsibility (CER)
1st	Providing solar power panels to the GHPS Urdu school at Ivani village, Chittapur Taluk, Kalaburgi District.
2nd	
3rd	Rain water harvesting pits to the GHPS Urdu school at Ivani village, Chittapur Taluk, Kalaburgi District.
4th	The proponent proposes to distribute nursery plants at Bhagodi Village & Strengthening of approach road
5th	Health camp in the GHPS Urdu school at Ivani village, Chittapur Taluk, Kalaburgi District.

12	EMP Budget	Rs. 71.66 Lakhs (Capital Cost) & Rs. 8.55 lakhs (Recurring cost)
13	Forest NOC	01.09.2023
14	Cluster certificate	06.09.2024
15	Revenue NOC	19.08.2023
16	DTF	24.11.2023
17	Approved by Quarry Plan	17.11.2023
18	JIR	3 mtr

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the proposed area is fresh land and only trial pit is done in northern side to check the availability of mineral and no mining has been carried out by Proponent. The Committee noted the clarification and considered the sand quarry proposal based on the clarification given by the Proponent.

As per the cluster sketch there is no lease in a radius of 500 mtr from the said lease and the total area of the present lease is 6-04 Acres and hence the project is categorized as B2. As per DMG report there is no river sand mining in a radius of 5 km from the proposed site area.

There is an existing cart track road to a length of 1786 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphalting 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 1,00,102 Tones (including waste) and estimated the life of mine to be 5 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production 30,000 Tons/annum for the first & second year, 25,000 Tons for 3rd year & 7,551 Tons/annum for 4th & 5th year (including waste), with following consideration,

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

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

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

315.1.14 Grey Granite Quarry Project at Thylagere Village, Devanahalli Taluk, Bangalore Rural District (4-31 Acres) by Sri S. Mohan Kumar - Online Proposal No.SIA/KA/MIN/486234/2024 (SEIAA 117 MIN 2024)

About the project:

<table>
<tr><td>Sl.No.</td><td>PARTICULARS</td><td>INFORMATION PROVIDED BY PROPONENT</td></tr>
<tr><td>1</td><td>Name & Address of the Projects Proponent</td><td>Sri S. Mohan Kumar</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>Grey Granite quarry in Sy.No.111/2 of Thylagere Village, Devanahalli Taluk, Bangalore Rural District (4-31 Acres)
<table>
<tr><td>N 13° 18' 41.0002"</td><td>E 77° 40' 33.8913"</td></tr>
<tr><td>N 13° 18' 40.8313"</td><td>E 77° 40' 35.9857"</td></tr>
<tr><td>N 13° 18' 30.4961"</td><td>E 77° 40' 32.8618"</td></tr>
<tr><td>N 13° 18' 31.6000"</td><td>E 77° 40' 31.1000"</td></tr>
</table></td></tr>
<tr><td>3</td><td>Type Of Mineral</td><td>Grey Granite Quarry Project</td></tr>
<tr><td>4</td><td>New/Expansion/Modification/ Renewal</td><td>New</td></tr>
<tr><td>5</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Patta</td></tr>
<tr><td>6</td><td>Area in Acres</td><td>4-31 Acres</td></tr>
<tr><td>7</td><td>Annual Production (Metric Ton / Cum) Per Annum</td><td>37,880 Cum/annum (including waste) (18,940 Cum/ annum Recovery, 7,576 Cum/ annum Building Stone, 7,576 Cum/annum for M-Sand & 3,788 Cum/annum</td></tr>
<tr><td>8</td><td>Project Cost (Rs. In Crores)</td><td>Rs. 1.87 Crores (Rs.187 Lakhs)</td></tr>
<tr><td>9</td><td>Proved Quantity of mine/ Quarry- Cu.m / Ton</td><td>6,07,338 Cum (including waste)</td></tr>
<tr><td>10</td><td>Permitted Quantity Per Annum-Cu.m/Ton</td><td>18,940 Cum /annum for Recovery</td></tr>
<tr><td>11</td><td colspan="2">CER Activities:
<table>
<tr><td>Year</td><td>Corporate Environmental Responsibility (CER)</td></tr>
<tr><td>1st</td><td>Providing solar power panels, UPS and Water Filters to GHPS school at Thylagere Village, Chikkaballapura Taluk and District</td></tr>
<tr><td>2nd</td><td>The proponent proposes to distribute nursery plants at Thylagere Village & Strengthening of approach road</td></tr>
<tr><td>3rd</td><td>Rain water harvesting pits in GHPS school at Thylagere Village, Chikkaballapura Taluk and District</td></tr>
<tr><td>4th</td><td>Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages</td></tr>
<tr><td>5th</td><td>Health camp in GHPS school at Thylagere Village, Chikkaballapura Taluk and District</td></tr>
</table></td></tr>
<tr><td>12</td><td>EMP Budget</td><td>Rs. 46.05 lakhs (Capital Cost) & Rs. 9.74 lakhs (Recurring cost)</td></tr>
<tr><td>13</td><td>Quarry plan</td><td>02.07.2024</td></tr>
<tr><td>14</td><td>Forest NoC</td><td>28.08.2023</td></tr>
</table>

15	Cluster certificate	27.06.2024
16	Revenue NOC	12.01.2024
17	Notification	12.07.2024

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the site area had been worked prior to 2005 by local villagers and justified as per google time line images and informed that as no mining had been carried out after 2005, there is no violation. The Committee noted the clarification given by the Proponent.

As per the cluster sketch there are another 17 leases in a radius of 500 mtr from the said lease out of which 16 leases are of building stone and the total area of the remaning lease including the applied lease is 6-29 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 600 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphalting 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 and informed that all are within the permissible limits. The Proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 6,07,338 cum (including waste) and estimated the life of mine to be 16 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 37,880 Cum/annum (including waste), with following consideration,

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

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

315.1.15 Pink Granite Quarry Project at Udegola Village, Siruguppa Taluk & Ballari District (2.912 Ha) (7.28 Acres) by Sri Ramakrishna Rao - Online Proposal No.SIA/KA/MIN/486884/2024 (SEIAA 111 MIN 2024)

About the project:

Sl.No.	PARTICULARS	INFORMATION PROVIDED BY PROPONENT
1	Name & Address of the Projects Proponent	Sri Ramakrishna Rao
2	Name & Location of the Project	Pink Granite Quarry Project at Sy. Nos. 181/A1, A2, A3, B, D1, C &D2 Part of Udegola Village, Siruguppa Taluk & Ballari District (2.912 Ha)

		(7.28 Acres) N15° 31' 10.49" E76° 49' 52.86" N15° 31' 11.34" E76° 49' 49.41" N15° 31' 14.40" E76° 49' 50.16" N15° 31' 17.55" E76° 49' 48.54" N15° 31' 18.50" E76° 49' 48.55" N15° 31' 19.77" E76° 49' 49.43" N15° 31' 19.36" E76° 49' 50.83" N15° 31' 19.34" E76° 49' 51.42" N15° 31' 17.54" E76° 49' 53.16" N15° 31' 14.98" E76° 49' 55.08" N15° 31' 14.34" E76° 49' 52.78"
3	Type Of Mineral	Pink Granite Quarry Project
4	New/Expansion/Modification/ Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta
6	Area in Acres	2.912 Ha (7.28 Acres)
7	Annual Production (Metric Ton / Cum) Per Annum	17,550 Cum/annum (including waste) (5,265 Cum/ annum Recovery, 12,285 Cum/ annum Building Stone)
8	Project Cost (Rs. In Crores)	Rs. 4.70 Crores (Rs.470 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	8,84,000Cum (including waste)
10	Permitted Quantity Per Annum-Cu.m/Ton	5,265 Cum /annum (Recovery)
11	CER Activities: To carry out additional 3000 trees along the approach road	
12	EMP Budget	Rs. 40.45 lakhs (Capital Cost) & Rs. 8.35 lakhs (Recurring cost)
13	Quarry plan	02.03.2024
14	Forest NoC	13.12.2022
15	Cluster certificate	24.06.2024
16	Revenue NOC	20.06.2023
17	Notification	19.07.2023
18	DTF	18.05.2023

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the dump from the adjacent land was stocked in the proposed area and at present it has been removed and no mining has been carried out by Proponent. The Committee noted the clarification given by Proponent.

As per the cluster sketch there is one lease in a radius of 500 mtrs from the applied lease, and the total area of the leases including the applied lease is 8-28 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 800 meters connecting the lease area to the all-weather black topped road. The Committee informed that the mining operation should be commenced after asphalting the approach road to the quarry and road connecting the crusher as per IRC norms and to grow trees all along the approach road during the first year of operation, for which the Proponent agreed.

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

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan with proved mineable reserve of 8,84,000 Tons (including waste) and estimated the life of the quarry 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 17,550 Cum/annum (including waste), with following consideration,

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

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

315.1.16 Building Stone Quarry Project at N. Hosahalli Village, Hosakote Taluk, Bangalore Rural District (2-29 Acres) by M/s. V D B Projects - Online Proposal No.SIA/KA/MIN/487147/2024 (SEIAA 110 MIN 2024)

About the project:

Sl.No	PARTICULARS	INFORMATION PROVIDED BY PP
1	Name & Address of the Projects Proponent	M/s. V D B Projects
2	Name & Location of the Project	Building Stone Quarry Project at Sy. No.17 of N. Hosahalli Village, Hosakote Taluk, Bangalore Rural District (2-29 Acres) N 13° 11' 42.5204" E 77° 56' 19.8717" N 13° 11' 42.9247" E 77° 56' 20.8873" N 13° 11' 42.1092" E 77°56' 23.1273" N 13° 11' 41.5542" E 77° 56' 22.8296" N 13° 11' 39.8466" E 77° 56' 22.7750" N 13° 11' 40.2311" E 77° 56' 18.3558" N 13° 11' 43.7589" E 77° 56' 18.7986"
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	2-29 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	1,05,263 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 1.40 Crores (Rs.140 Lakhs)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	6,48,164Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	1,00,000 Tones / Annum (excluding waste)
11	CER Activities:	

	Year	Corporate Environmental Responsibility (CER)
	1st	Providing solar power panels to the GHPS school at N. Hosahalli village
	2nd	Rain water harvesting pits to the GHPS school at N. Hosahalli village
	3rd	Scientific support and awareness to local farmers to increase yield of crop and fodder
	4th	Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages
	5th	Health camp in GHPS school at N. Hosahalli village
12	EMP Budget	Rs. 43,32 lakhs (Capital Cost) & Rs. 7.87 lakhs (Recurring cost)
13	Forest NOC	08.07.2024
14	Quarry plan	14.06.2024
15	Cluster certificate	14.06.2024
16	Revenue NOC	07.07.2015
17	Notification	07.06.2024

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

As per the cluster sketch there are another 02 leases in a radius of 500 mtr from the said lease, out of which 1 lease is exempted from cluster as the lease was granted prior to 09.09.2013 and the total area of the remaning leases including the applied lease is 6-27 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 779 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphalting the approach road to the quarry and the road connecting the crusher as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

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

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 6,48,464 tonn (including waste) and estimated the life of mine to be 7 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 1,05,263 Tones/annum (including waste), with following consideration,

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

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

315.1.17 Building Stone Quarry Project at Mupata village in Chittapur Taluk, Kalaburagi District (7-00 Acres) by Sri Ladle Patel - Online Proposal No.SIA/KA/MIN/484350/2024 (SEIAA 109 MIN 2024)

About the project:

Sl.No	PARTICULARS	INFORMATION PROVIDED BY PP
1	Name & Address of the Projects Proponent	Sri Ladle Patel
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.36/*/3 of Mupata village in Chittapur Taluk, Kalaburagi District (7-00 Acres)

Latitude	Longitude
N 17°16'51.1023"	E 77°02'51.0009"
N 17°16'46.6001"	E 77°02'50.7012"
N 17°16'45.8002"	E 77°02'58.3002"
N 17°16'49.9045"	E 77°02'57.9037"

3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/ Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta
6	Area in Acres	7-00 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	91,357 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.55 Crores (Rs.55 Lakhs)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	21,32,733 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	89,530 Tones / Annum (excluding waste)
11	CER Activities: Propose take up 800 No. of additional plantation on either side of the approach road from quarry location to Mupata Village Road	
12	EMP Budget	Rs. 20.40 lakhs (Capital Cost) & Rs. 7.52 lakhs (Recurring cost)
13	Forest NOC	26.09.2023
14	Quarry plan	10.06.2024
15	Cluster certificate	13.06.2024
16	Revenue NOC	07.08.2023
17	Notification	18.12.2023

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

As per the cluster sketch there is no lease in a radius of 500 mtr from the said lease and the total area of the present lease is 7-00 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 380 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphalting the approach road to the quarry and road connecting crusher as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

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

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 21,32,733 tonn(including waste) and estimated the life of mine to be 24 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 91,357 Tones/ Annum (including waste), with following consideration,

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

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

315.1.18 Ornamental Stone (Grey Granite) Quarry Project at Kuknoor Village, Kuknoor Taluk, Koppal District (1-22 Acres) by Smt. Vimala A. Huralikoppi - Online Proposal No.SIA/KA/MIN/485400/2024 (SEIAA 108 MIN 2024)

About the project:

Sl.No.	PARTICULARS	INFORMATION PROVIDED BY PROPONENT
1	Name & Address of the Projects Proponent	Smt. Vimala A. Huralikoppi
2	Name & Location of the Project	Ornamental Stone(Grey Granite) Quarry Project at Sy. No. 87/5 of Kuknoor Village, Kuknoor Taluk, Koppal District (1-22 Acres) N 15° 29' 42.86576" E 76° 00' 36.35640" N 15° 29' 42.96201" E 76° 00' 38.43460" N 15° 29' 39.42013" E 76° 00' 37.69404" N 15° 29' 39.34017" E 76° 00' 35.86370"
3	Type Of Mineral	Ornamental Granite Quarry Project
4	New/Expansion/Modification/ Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta
6	Area in Acres	1-22 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	1,667Cum/annum (including waste) 500 Cum/ annum Recovery, 1167 Tons/ annum waste)
8	Project Cost (Rs. In Crores)	Rs. 1.27 Crores (Rs.127 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	83,417.3Cum (including waste)
10	Permitted Quantity Per Annum-Cu.m/Ton	500 Cum /annum (Recovery)

11	CER Activities:	

Year	Corporate Environmental Responsibility (CER)
1st	Providing Solar Power Panels in GHPS school at Kukanoor Village.
2nd	Rain water harvesting pits to the GHPS school at Kukanoor village.
3rd	Health camp at GHPS school at Kukanoor Village.
4th	Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages
5th	Scientific support and awareness to local farmers to increase yield of crop and fodder

12	EMP Budget	Rs. 22.87 lakhs (Capital Cost) & Rs. 8.09 lakhs (Recurring cost)
13	Quarry plan	17.05.2024
14	Forest NoC	18.07.2023
15	Cluster certificate	25.06.2024
16	Revenue NOC	20.09.2023
17	DTF	12.12.2023

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

As per the cluster sketch there are another 13 leases in a radius of 500 mtr from the said lease, out of which 8 leases are exempted from cluster as leases were granted prior to 09.09.2013 and 03 leasesare gr EC was granted prior to 15.01.2016 and the total area of the remaining leases including the applied lease is 11-02 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 268 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphalting 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 83,417.3cum(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 1,667Cum/annum (including waste), with following consideration,

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

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

315.1.19 Building Stone Quarry Project at Madalavadi village in Chamarajanagar Taluk & District (6-28 Acres) by Sri Yogesh P - Online Proposal No.SIA/KA/MIN/484065/2024 (SEIAA 107 MIN 2024)

About the project:

Sl.No	PARTICULARS	INFORMATION PROVIDED BY PP
1	Name & Address of the Projects Proponent	Sri Yogesh P
2	Name & Location of the Project	Building Stone Quarry Project at Sy.Nos.208 & 209 of Madalavadi village in Chamarajanagar Taluk & District (6-28 Acres)

N 11°44'57.4"	E 76°49'29.4"
N 11°44'56.4"	E 76°49'29.2"
N 11°44'57.2"	E 76°49'25.0"
N 11°44'59.7"	E 76°49'26.0"
N 11°45'02.3"	E 76°49'26.3"
N 11°45'02.2"	E 76°49'29.1"
N 11°45'01.7"	E 76°49'31.7"
N 11°44'59.1"	E 76°49'31.2"

3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/ Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta
6	Area in Acres	6-28 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	51,020 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.50 Crores (Rs.50 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	13,82,012Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	50,000 Tones / Annum (excluding waste)
11	CER Activities: Propose take up 700 No. of additional plantation on either side of the approach road from quarry location to Modalavadi Village Road	
12	EMP Budget	Rs. 14.45 lakhs (Capital Cost) & Rs. 5.73 lakhs (Recurring cost)
13	Forest NOC	15.06.2023
14	Quarry plan	19.06.2024
15	Cluster certificate	15.06.2024
16	Revenue NOC	24.05.2023
17	Notification	15.03.2024

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

As per the cluster sketch there is no lease in a radius of 500 mtr from the said lease and the total area of the present lease is 6-28 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 1130 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphalting the approach road to the quarry and road connecting crusher as per IRC standard norms and should grow trees all along the approach road in first year of operation, for which the Proponent agreed.

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

The Committee noted that the baseline parameters are found to be within permissible limits and agreed with the approved quarry plan, with proved mineable reserve of 13,82,012 tonns (including waste) and estimated the life of mine to be 27 years.

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

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

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

315.1.20 Grey Granite Quarry Project at Gowrala Village, Kuknoor Taluk, Koppal District (5-30 Acres) by M/s. B B Granites - Online Proposal No.SIA/KA/MIN/483802/2024 (SEIAA 134 MIN 2023)

About the project:

Sl.No.	PARTICULARS	INFORMATION PROVIDED BY PROPONENT
1	Name & Address of the Projects Proponent	M/s. B B Granites
2	Name & Location of the Project	Grey Granite Quarry Project at Sy.No.31/3 of Gowrala Village, Kuknoor Taluk, Koppal District (5-30 Acres)
3	Type Of Mineral	Grey Granite Quarry Project
4	New/Expansion/Modification/ Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta
6	Area in Acres	5-30 Acres
7	Annual Production (Metric Ton / Cum)	10,000 Cum/annum (including waste)

15° 28'52.54"	76° 01'30.68"
15° 28'52.61"	76° 01'27.70"
15° 28'56.81"	76° 01'27.93"
15° 28'55.15"	76° 01'37.37"
15° 28'51.90"	76° 01'36.91"
15° 28'52.15"	76°01'35.60"
15° 28'52.28"	76°01'33.44"
15° 28'54.11"	76°01'33.59"
15° 28'52.28"	76°01'32.02"
15° 28'52.28"	76°01'32.06"
15° 28'52.28"	76°01'28.50"
15° 28'52.28"	76°01'28.47"
15° 28'52.28"	76°01'30.79"

	Per Annum	3,000 Cum/ annum Recovery, 7,000 Tons/ annum waste)
8	Project Cost (Rs. In Crores)	Rs. 0.50 Crores (Rs.50 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	2,39,542Cum (including waste)
10	Permitted Quantity Per Annum-Cu.m/Ton	3,000 Cum /annum (Recovery)
11	CER Activities:	

Sl. No.	Particulars	Proposed CER Expenses (In Lakhs Rs.)
Activities proposed to be Carried out under CER at Govt. School at Kulnoor		
1.	Toilet facility	0.5
2.	RO water System with storage containers	0.3
4.	Fruit Garden	0.2
	Total	1.0

12	EMP Budget	Rs. 11.60 lakhs (Capital Cost) & Rs. 2.60 lakhs (Recurring cost)
13	Quarry plan	15.12.2022
14	Forest NoC	06.06.2022
15	Cluster certificate	13.10.2022
16	Revenue NOC	09.06.2022
17	Notification	19.09.2022
18	Public hearing	17.11.2023

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

The proposal is for pink granite quarry for which SEIAA had issued ToR on 18.05.2023 and public hearing was conducted on 17.11.2023, where opinion/requests of five people had been recorded in public hearing report.

There is an existing cart track road to a length of 960 meters connecting lease area to the all-weather black topped road and the Committee informed that the quarrying operation needs to be commenced after asphalting 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 2,39,452 cum (including waste) and estimated the life of mine to be 24 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for maximum annual production of 10,000 cum/annum (including waste), with following consideration,

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

4. To provide metal sheet fencing around the working area.
5. To take necessary measures to arrest noise and vibration from the quarry area.
6. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
7. To adhere to the compliance given in response to the opinion of public addressed during public hearing.
8. To handle waste generated by obtaining necessary permission.

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

315.1.21 Residential Building Project at plot Nos.R-9-D1, R-9-D2, R-9-D1-P & R-9-D2-P of Hitech, defence& Aerospace Park, (Hardware sector) comprised in Sy. Nos.176, 177, 470, 471 of Bagalur Village and Sy.Nos.176 & 82 of Hoovinayakanahalli Village, Jala Hobli, Bengaluru North Yelahanka Taluk, Bengaluru Urban District by M/s. Netra Software Technologies Pvt. Ltd. - Online Proposal No.SIA/KA/INFRA2/488037/2024 (SEIAA 121 CON 2023)

The proposal is for issue of amendment to EC issued by SEIAA on 24.08.2023. The Proponent had submitted CCR from MoEF&CC dated 30.05.2024, informing that the Proponent has not started any construction.

The Proponent informed that due to the requirement of KIADB to provide EWS units in the proposed project they had applied for amendment to incorporate EWS units and requested the Committee to issue an amendment with the following changes,

Sl. No.	Particulars	Project Description		Remarks
		As per Existing EC	As per Proposed	
1	Total Site Area	33,516.00Sq.m		No Change
2	Civic Amenities Area	1,675.8Sq.m		No Change
3	Net Developable Area	31,840.2Sq.m		No Change
4	Coordinates	13° 8'54.07"N 77°40'51.67"E		No Change
5	Total Built-up Area	1,39,042.38Sq.m	1,39,042.39Sq.m	Increase of 0.01Sq.m
6	Cost of the Project	200 Crores		No Change
7	FAR Allowed for the Project	3.25		No Change
8	Landscape Area	10,666.22 Sq.m		No Change
9	Number of Building and Levels	Tower A1 – A 5 with 1 Basement Floor + Ground Floor + Eighteen Upper Floors + Terrace Floor Club House – 1 Basement Floor + Ground Floor + Mezzanine Floor + First Floor + Second Floor + Terrace Floor		No Change
10	Activity	Residential Apartment Complex with Club House		No Change
11	No. of Flats	786 Units (428 Nos. – 3 BHK, 286 Nos. – 2 BHK and 72 Nos – EWS)	992 Units (436 Nos. – 3 BHK, 278 Nos. – 2 BHK and 278 Nos – EWS)	Increase of 206 Units
12	Total Occupancy	4,715 People (Including Visitors)	5,630 People (Including Visitors)	Increase if 915 People
13	Height of the Building	57.84m		No Change
14	Parking Facilities	825 Car Parking slots	952 Car Parking Plots	Increase of 127 Car Parking Slots

Sl. No.	Particulars	Project Description		Remarks
		As per Existing EC	As per Proposed	
15	Water Demand	599KLD	714 KLD	Increase of 115KLD
16	Sources of Water	through KIADB, Rooftop Rainwater and Treated water		No Change
17	Wastewater Generation	479KLD	571KLD	Increase of 92KLD
18	Wastewater Treatment Plant	540KLD	650KLD	Increase of 110KLD
19	Use of Treated Water	Landscaping, Toilet Flushing, etc.		No Change
20	Power Demand	3,085 KVA	5,295 KVA	Increase of 2,213KVA
21	Source of Power	Bengaluru Electricity Supply Company (BESCOM)		No Change
22	Backup Power	625KVA x 4Nos.	500KVA x 4Nos.	Decrease of 500KVA Capacity
23	Fuel for DG Sets	High Speed Diesel with Low Sluphur Content of 10ppm		No Change
24	Renewable Energy	Solar Water Heaters for top 2 floors of the residential buildings		No Change
25	Solid Waste Generation and Disposal	Organic Solid Waste – 849kg/day Inorganic Solid Waste – 1,273kg/day STP Sludge – 25kg/day	Organic Solid Waste – 1,013kg/day Inorganic Solid Waste – 1,520kg/day STP Sludge – 32.5kg/day	Increase of 418.5kg/day
26	Rainwater Harvesting	380cum Sump for Rooftop rainwater Harvesting and 14 Recharge Pits for Storm Water Harvesting	400cum Sump for Rooftop rainwater Harvesting and 14 Recharge Pits for Storm Water Harvesting	Increase of 20cum of Rooftop Rainwater Harvesting Sump Capacity

The Committee sought clarification regarding source of water in the proposed project. The Proponent submitted revised information, informing that the source of water is from KIADB. The Committee noted the details.

Further, the Committee noted the changes requested by Proponent for the amendment and the Committee after discussion decided to recommend the proposal to SEIAA for issue of amendment to EC with a condition that,

1. Proponent shall obtain a hydrogeological study report from CGW accredited consultant regarding the availability of fresh water and then obtain KGWA clearance for drilling & extracting ground water.

And all other conditions remain same and unchanged for the EC issued by SEIAA on 24.08.2023.

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

315.1.22 Amendment of Affordable Housing Development with Social Infrastructure" R-9-A, Hardware Sector at Hitech Defence and Aerospace Park, comprised in Sy.No.177 (Block No.1), 470, and 471, Bagalur Village, Jala Hobli, Bengaluru North Yelahanka Taluk, Bengaluru Urban District by M/s. Vedant Homes - Online Proposal No.SIA/KA/INFRA2/472636/2024 (SEIAA 163 CON 2023)

The proposal is for issue of amendment to EC issued by SEIAA on 10.11.2023. The Proponent had informed the Committee that they have not started any construction and justified it with google timeline images. The Committee noted the details.

The Proponent informed that due to the requirement of KIADB to provide EWS units in the proposed project they have applied for amendment to incorporate EWS units and requested the Committee to issue an the amendment with the following changes,

Sl. No.	Particulars	Project Description		Remarks
		As per Environment Clearance	As per Proposed Expansion	
1	Total Site Area	12,130.00Sq.m		No Change
2	Coordinates	13° 8'47.61"N 77°40'51.20"E		No Change
3	Total Built-up Area	62,191.64Sq.m	62,281.33Sq.m	Increase of 89.69Sq.m
4	Cost of the Project	88.20 Crores		No Change
5	FAR Allowed for the Project	3.25		No Change
6	Landscape Area	4,040.27 Sq.m		No Change
7	Number of Building and Levels	2 Wing with 2 Basement Floor + Ground Floor + Twenty Six Upper Floors + Terrace Floor Restaurant & Retail (Social Infrastructure) – 2 Basement + Ground Floor + 2 Upper Floors		Change in nomenclature from Restaurant to Social Infrastructure
8	Activity	Residential Apartment Complex and Restaurant (Commercial)	Affordable Housing Development with Social Infrastructure (Restaurant & Retail)	Change in nomenclature of the project due to introduction of EWS Dwelling Units
9	No. of Flats	204 Units (200 Units – 3 BHK and 4 units – 4 BHK)	304 Units (100 Units EWS + 108 Units 3BHK and 96 units 4 BHK	Increase of 100 EWS Units and internal modification by reduction of unit sizes

Sl. No.	Particulars	Project Description		Remarks
		As per Environment Clearance	As per Proposed Expansion	
10	Total Occupancy	1,566 People (Including Visitors) + 1,802 Seats in Restaurant	1,892 People (Including Visitors) + 1,802 Seats in Restaurant & Retail Visitors	Increase in 326 People due to addition of 100 EWS Units and internal modification in unit sizes
11	Height of the Building	82.45m		No Change
12	Parking Facilities	423 Car Parking slots	411 Car Parking Slots	Reduction of 12 Car Parking slots. Car Parking slots are proposed as per norms.
13	Water Demand	326 KLD	367 KLD	Increase of 41 KLD
14	Sources of Water	through KIADB, Rooftop Rainwater and Treated water		No Change
15	Wastewater Generation	261KLD	294 KLD	Increase of 33 KLD
16	Wastewater Treatment Plant	295KLD (115KLD + 180KLD)	335KLD (115KLD + 220KLD)	Increase of 40KLD
17	Use of Treated Water	Landscaping, Toilet Flushing, Make-up water for HVAC, etc.		No Change
18	Power Demand	2,090 KVA	2,488 KVA	Increase of 398KVA
19	Source of Power	Bengaluru Electricity Supply Company (BESCOM)		No Change

Sl. No.	Particulars	Project Description		Remarks
		As per Environment Clearance	As per Proposed Expansion	
20	Backup Power	250KVA x 1No. + 500KVA x 2 Nos.	500KVA x 3Nos	Proposed addition 500KVA DG Set Instead of 250KVA DG Set
21	Fuel for DG Sets	High Speed Diesel with Low Sulphur Content of 10ppm		No Change
22	Renewable Energy	Solar Water Heaters for top 2 floors of the residential buildings		No Change
23	Solid Waste Generation and Disposal	Total Solid Waste – 1,065kg/day Organic Solid Waste – 426kg/day Inorganic Solid Waste – 639kg/day STP Sludge – 14.75kg/day	Total Solid Waste – 1,212kg/day Organic Solid Waste – 485kg/day Inorganic Solid Waste – 727kg/day STP Sludge – 15.75kg/day	Increase in total solid waste generation by 147 Kg/day (Increase in Organic waste by 59kg/day and Inorganic waste by 88 kg/day) Increase in STP sludge by 1kg/day
24	Rainwater Harvesting	140cum Sump for Rooftop rainwater Harvesting and 6Nos. of Recharge Pits for runoff Water Harvesting		No Change

The Committee sought clarification regarding source of water in the proposed project. The Proponent submitted revised information, informing that the source of water to be met from KIADB. The Committee noted the details.

Further, the Committee noted the changes requested by Proponent for the amendment and the Committee after discussion decided to recommend the proposal to SEIAA for issue of amendment to EC and with a condition that,

1. Proponent shall obtain a hydrogeological study report from CGW accredited consultant regarding the availability of fresh water and then obtain KGWA clearance for drilling & extracting ground water.

And all other conditions remain same and unchanged for the EC issued by SEIAA on 24.08.2023.

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

315.1.23 ToR: Greenfield Iron ore Beneficiation and Pellet Plant Project at Sy.Nos.28, 30, 32, 37, 38, 39, 40, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52 & 53 of Haruvanahalli Village and Sy.Nos. 147, 148, 149 & 162 of Basavanadurga Village Hospete Taluk, Vijayanagar District by M/s. Kuminex Steels Pvt. Ltd. - Online Proposal No.SIA/KA/IND1/486581/2024 (SEIAA 10 IND 2024)

The proposal is for establishment of new beneficiation plant to 3 TPA and peletization plant as per the provisions in MoEF&CC Notification dated 07.06.2024 for capacity of 1.5 MTPA in total area of 75.81 Ha.

The Committee initially observed the following discrepancy in the details submitted by Proponent,

1. The proposed area was overlapping with adjacent land for which EC had been granted.
2. Primary Natural nallah is flowing at the centre of the project site, the PP has to design a scientific, robust plan for protection of the same. Required buffer to be left.
3. To maintain the required buffer for lake as per siting guidelines.
4. Village is within 160m and School a sensitive place is ~ 150m, robust plan to be derived to ensure no adverse impact on habitation.
5. Project approval from state government not evident
6. Water permission from the concerned statutory authority not evident
7. Land acquisition status and complete land document & conversion documents.
8. Since it is a green field project, declaration regarding status of existing buildings and process to be submitted.
9. Land ownership, documents not evident
10. Village road is passing in the project area, diversion from concerned authority not evident.
11. Project area is adjacent to forest, obtain NOC from Forest Dept.
12. NOC from NHAI for safe entry & exit to NH not evident.
13. Proponent to verify the siting guidelines for the proposed activities.
14. As the proposal is not a stand alone peletization plant, Proponent to verify the applicibality of MoEF&CC Notification dated 07.06.2024 for the proposed project.

Hence, the Committee after discussion decided to defer the proposal for recommendation for grant of ToR.

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

315.1.24 ToR: Building Stone Quarry Project at Sy.Nos. 63/2 & 63/3 of Seetalahari Village, Gadag Taluk, Gadag District (3-15 Acres) by M/s. Welcome Enterprises, Prop: Manjunath.R. Kabadi - Online Proposal No.SIA/KA/MIN/485874/2024 (SEIAA 115 MIN 2024)

The Proponent remained absent and hence the Committee after discussion decided to defer the Project.

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

315.1.25 ToR:Ordinary Building Stone Quarry Project at Sy.Nos.36/2, 34/5(P) of Jainapur Village, Chikkodi Taluk, Belagavi District (8-04 Acres) by Sri Mahalaxmi Stone Crusher, Partner: Sri. Alagouda Giregouda Patil - Online Proposal No.SIA/KA/MIN/485256/2024 (SEIAA 116 MIN 2024)

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the proposed area is a fresh land, the road seen as per google map, is not a notified road and no mining has been carried out by Proponent till date and informed that the proposed project does not attract violation. The Committee noted the justification of Proponent.

The proposal is for building stone quarry in lease area of 8-04 Acres. As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained Notification on 16.05.2024 and approved quarry plan on 16.05.2024.

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

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

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

315.1.26 Residential Apartment Building - "Sai Radha Heights" Project at Sy.Nos.73/13B, 73/18, 73/11 (Portion), 73/12, 75/1B (Portion), 75/1A (Portion), 75/2F (Portion) & 75/2E (Portion) of Mudanidambur Village No.69 Udupi Taluk & District by M/s. Sai Radha Developers - Online Proposal No.SIA/KA/INFRA2/469485/2024 (SEIAA 44 CON 2024)

The proposal was earlier considered in 313th SEAC meeting and the Committee had deferred the appraisal of the proposal as the Proponent had informed the Committee that the trees were removed and site leveling works were going on. Accordingly the informed the Proponent to submit tree cutting permission copy obtained from Forest Department for removal of trees and present site condition details with GPS photographs and date.

In the present meeting, the Proponent informed that earlier in the year 2015, the dilapidated house was demolished and to fell fruit trees like mango, sapota, lemon etc. and as per the Karnataka Preservation of Trees Act, 1976, no prior felling permission is required from forest department hence have been removed by the land owner. Further, the Proponent informed that earlier in 2020, construction was planned for a small building for which EC was not applicable and accordingly had started site clearance works and construction of compound retention wall was started in December 2023 in the eastern side to complete the work before monsoon considering the neary by high rise building.

The Committee noted the clarification and considering the site condition as per google timeline images informed the Proponent to submit justification so as to why the proposal should not to be considered as violation.

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

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

315.1.27 Residential Development Project at Kuruharahalli Village, Kasaba Hobli, Mysore Taluk & District by M/s. Brigade Enterprises Limited - Online Proposal No.SIA/KA/INFRA2/465793/2024 (SEIAA 03 CON 2024)

The proposal was earlier considered in 310th SEAC meeting and the Committee had recommended the proposal to SEIAA for grant of EC. The Authority in its 251st SEIAA meeting had referred back the proposal informing the following,

"The Authority after discussion decided to refer back the Proposal to SEAC for the want of additional information on Project as it lies in the No Development zone and to provide additional mitigation measures as project falls in flooding Zone."

In the present meeting, the Proponent informed the Committee that they had uploaded the revised conceptual plan which was submitted in hard copy during appraisal in 310th SEAC meeting by excluding the drive way from the NDZ of Chamundi hill. Regarding flooding zone, Proponent had submitted surface hydrology report and based on watershed, lake details and carrying capacity of drain it was informed that by incorporating effective storm water management and by considering the higher elevation of 6-7 mtrs of the proposed project area with reference to the surrounding surface water bodies, they would ensure that the proposed project area would not be affected by flooding.

Further the Committee sought details regarding the total runoff from the catchment and the carrying capacity of the adjacent drain, for which the Proponent submitted revised flood risk assessment detail and informed that the total runoff from the catchment area is 14.2 m3/sec and carrying capacity nala during peak rainfall of 120 mm/hr flowing from west to east is 31.44 m3/sec and hence, justified that even during peak rainfall there is no risk of flooding of the project site due to the abutting drain. The Committee noted the clarification and decided to reiterate its earlier decision taken in 310th SEAC meeting and decided to recommend the proposal for SEIAA with the following additional consideration,

1. To regularly clean and maintain the flow section of the drain
2. To provide additional plantation in buffer zone of drain

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

315.1.28 Building Stone Quarry Project at Goravinakallu Village, Hosadurga Taluk &Chitradurga District (4-00 Acres) by Sri Ananth K - Online Proposal No.SIA/KA/MIN/472788/2024 (SEIAA 56 MIN 2024)

About the project:

Sl.No	PARTICULARS	INFORMATION PROVIDED BY PP
1	Name & Address of the Projects Proponent	Sri Ananth K
2	Name & Location of the Project	Building Stone Quarry Project at Goravinakallu Village, Hosadurga Taluk & Chitradurga District (4-00 Acres) N 13° 48' 23.8" E 76° 17' 04.0" N 13° 48' 23.5" E 76° 17' 07.9" N 13° 48' 19.6" E 76° 17' 03.0" N 13° 48' 19.2" E 76° 17' 07.1"
3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/ Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government
6	Area in Acres	4-00 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	1,12,710 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	12,13,810 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m/ Ton	1,10,456 Tones / Annum (excluding waste)
11	**CER Activities:** Propose take up 400 No. of additional plantation on either side of the approach road from quarry location to Goravinakallu Village Road	
12	EMP Budget	Rs. 16.55 lakhs (Capital Cost) & Rs. 5.39 lakhs (Recurring cost)
13	Forest NOC	11.08.2016
14	Quarry plan	05.11.2018
15	Cluster certificate	29.02.2024 (NTN 34)
16	Revenue NOC	11.08.2016
17	Notification	05.11.2018

The proposal was earlier considered in 312th SEAC meeting and the Committee after decision had decided to defer the proposal for want of clarification from DMG for the present site condition.

In the present meeting the Proponent submitted clarification from DMG dated 18.07.2024, informing that no quarrying had been carried out in the proposed project area. The Committee noted the clarification.

The Proponent informed that as per cluster sketch, the leases in Sl. No. 1, 3, 4 & 5 have only been notified and was informed that they were exempted from the cluster effect. However as per google images it was observed that the lease in Sl. No.1 (NTN 33) appeared to be working. Hence, the Committee after discussion decided to defer the proposal for want of clarification from DMG regarding leases mentioned in the cluster sketch and their present site condition.

Action: Member Secretary, SEAC to put up before SEAC after submission of information sought

315.1.29 Building Stone Quarry Project at Halepalya Village, Malur Taluk, Kolar District (4-12 Acres) by Smt. Narayanamma - Online Proposal No.SIA/KA/MIN/466239/2024 (SEIAA 25 MIN 2024)

About the project:

Sl.No	PARTICULARS	INFORMATION PROVIDED BY PP
1	Name & Address of the Projects Proponent	Smt. Narayanamma
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.93 of Halepalya Village, Malur Taluk, Kolar District (4-12 Acres) N 13° 0' 41.5343" E 78° 6' 18.3334" N 13° 0' 42.7375" E 78° 6' 22.2962" N 13° 0' 38.3176" E 78° 6' 23.1207" N 13° 0' 36.8554" E 78° 6' 19.3692"
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	4-12 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	4,734 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	10,19,914 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	4,261 Tones / Annum (excluding waste)
11	CER Activities: Propose take up 450 No. of additional plantation on either side of the approach road from quarry location to Halepalya Village Road	
12	EMP Budget	Rs. 11.85 lakhs (Capital Cost) & Rs. 4.29 lakhs (Recurring cost)
13	Forest NOC	21.07.2023
14	Quarry plan	07.11.2023
15	Cluster certificate	08.11.2023
16	Revenue NOC	10.08.2023
17	Notification	14.08.2023

The proposal was earlier considered in 310th SEAC meeting and the Committee had recommended the proposal to SEIAA for grant of EC. The Authority in its 251st SEIAA meeting had referred back the proposal informing the following,

"The Authority after discussion decided to refer back the Proposal to SEAC for the want of clarification regarding discrepancy in survey number observed in Common application form, Quarry plan and other NoCs submitted."

In the present meeting the Proponent informed the Committee that due to typographical error they had mentioned the survey number as 193 instead of Sy. No. 93 and presently had revised the details as per approved quarry plan and other NoCs.

The Committee noted the clarification and decided to reiterate its earlier decision taken in 310th SEAC meeting and decided to recommend the proposal for SEIAA.

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

315.1.30 Proposed Modification and Expansion of Active Pharmaceutical Ingredients (API) Manufacturing Unit Project at Raichur Growth Centre, Industrial Area, Raichur Taluk, Raichur District by M/s. Active Life Sciences (I) Pvt. Ltd. - Online Proposal No.SIA/KA/IND3/247799/2021 (SEIAA 69 IND 2021)

About the Project:

Sl.No	PARTICULARS	INFORMATION Provided by PP
1	Name of theproject proponent:	Nishit P Kadakia
2	Name & Location of the project:	Modification & Expansion of API's and Intermediates by M/s. Activz Life Sciences (I) Pvt. Ltd. at Plot Nos. 53,54,73 & 74, KIADB Raichur Growth Centre,RaichurTaluk& District - 584134
3	New /expansion/modification / product mix change:	Modification & Expansion Category 5(f) as per EIA Notification, 2006.
4	Plot Area	8,094 Sqm (2.0 Acres)
5	Built Up Area	Existing - 2,732 Sqm Proposed – 910 Sqm Total - 3,642 Sqm
6	Project Cost	Existing – 3.2 Crores Proposed – 18.8 Crores Total – 22 Crores
7	Component of development:	Modification & Expansion of API's and Intermediates manufacturing unit - Expanding from 18.7 TPM to 28 TPM. From the existing list of products, 1 product will remain same, decreasing quantities of 2 products, removing 12 products and adding 46 new products.
8	Source of water - operational phase:	KIADB
9	Total Water Requirement (Domestic + Industrial) in KLD	Existing – 65.0 KLD (Domestic – 2.0 KLD, Industrial – 60.5 KLD, Gardening – 2.5 KLD) Proposed - 53.9KLD (Domestic – 1.0 KLD, Industrial – 42.9 KLD, Gardening – 10.0 KLD) Total - 118.9 KLD (Domestic – 3.0 KLD, Industrial – 103.4 KLD, Gardening – 12.5 KLD)
	Fresh Water in KLD Recycled water in KLD	Fresh water – Existing – 55 KLD Proposed – 25.9 KLD Total – 80.9 KLD Recycled water - Existing – 10 KLD Proposed – 28 KLD Total – 38 KLD
10 0	Total wastewater generation in KLD	Existing – 34.8 KLD Proposed – 24.3 KLD Total – 59.1 KLD
11	Total effluents generation in KLD	**SI. no.** / **Purpose** / **Effluent Generation in KLD** (Exi-sting / Prop-osed / Total) / **Treatment Method**

		1	Process water	20.0	12.9	32.9	MEE-50 KLD (Existing MEE - 20 KLD will be upgraded)
		2	Scrubbing	2.0	1.0	3.0	
		3	Boiler	5.0	1.0	6.0	BTP-70 KLD (Existing BTP - 20 KLD will be upgraded)
		4	Cooling tower	5.0	-	5.0	
		5	RO Reject	-	6.5	6.5	
		6	Washing	1.0	2.0	3.0	
		7	Domestic Usage	1.8	0.9	2.7	Septic Tank & soak pit
		Total		**34.8**	**24.3**	**59.1**	
12	Scheme of disposal of excess treated water	Treated water from ZLD will be used forsecondary purposes such as cooling tower and boiler makeup.					
13	ETP Capacity	Existing ZLD consisting of MEE of Capacity 20 KLD and BTP of 20 KLD. It is proposing to upgrade the capacity of MEE to 50 KLD and BTP to 70 KLD.					
14	STP Capacity	No STP. Sewage is being treated in Septic Tank &soak pit					
15	Waste Generation & its Disposal						
	Solid Waste						
	Hazardous Waste	**Sl No**	**Category of HW**	**Type/Name of Hazardous waste**	**Quantity**		**Mode of disposal**
					Existing	**Proposed**	**Total**
		1	5.1	Used Spent Oil	1 KL/A	0.1 KL/A	1.1 KL/A	Shall be stored in secured manner & handed over to KSPCB authorized re-processors.
		2	5.2	Waste residue containing oil	0.02 MT/A	0.02 MT/A	0.04 MT/A	Shall be stored in secured manner & handed over to KSPCB authorized vendors
		3	20.3	Distillation Residue	12.0 MT/A	160 MT/A	172 MT/A	Shall be stored in secured manner & handed over to KSPCB authorized recyclers
		4	28.1	Process residues and wastes	37.5 MT/A	495 MT/A	532.5 MT/A	Store in secured manner and

								hand over to authorized cement industry for Co-processing/TSDF
		5	28.2	Spent Catalyst	30 MT/A	23 MT/A	53 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized recyclers
		6	28.4	Off Specification Products	1.5 MT/A	2 MTA	3.5 MTA	Store in secured manner and hand over to authorized cement industry for Co-processing/TSDF
		7	28.5	Date expired products	-	3 MTA	3 MTA	Store in secured manner and hand over to authorized cement industry for Co-processing/TSDF
		8	28.6	Spent Solvent	120 KL/A	3.3	123.3 KL/A	Shall be stored in secured manner and handed over to KSPCB authorized recyclers
		9	33.1	Empty barrels/ Containers / liners contaminated with hazardous chemicals / wastes.	2.4 MT/A	2.5 MT/A	4.9 MT/A	After complete detoxification, shall be disposed to the outside agencies.
		10	33.2	Contamina	--	200	200	Store in

		ted cotton rags or other cleaning materials		Kgs/month	Kgs/month	secured manner and hand over to KSPCB Authorized Vendor	
11	35.3	Chemical sludge from wastewater treatment	45 MT/A	255 MT/A	300 MT/A	Shall be stored in secured manner & handed over to KSPCB authorized TSDF.	
12	A1160	Used Lead Acid batteries	5 No's/Annum	5 No's/Annum	10 No's/Annum	Returned back to dealer/ Supplier	
Other & Miscellaneous Solid Wastes							
13	--	Coal Ash	0.6 TPD	1.1 TPD	1.7 TPD	Sent to brick manufacturers	
14	--	Briquette Ash	1.5 TPD	3 TPD	4.5 TPD	Sent to fertilizer industry	
15	--	Residues from Scrubber	--	32.3 Kgs/day	32.3 Kgs/day	Shall be stored in secured manner & handed over to TSDF.	
16	--	Used PPE	10 Kgs/ Month	15 Kgs/ Month	25 Kgs/ Month	Sent to authorized vendor	
17	B1110	E-Waste	150 Kgs/ A	250 Kgs/ A	350 Kgs/ A	Authorized recyclers	
18	--	Plastic Waste	100 Kgs/ Annum	400 Kgs/ Annum	500 Kgs/ Annum	Authorized recyclers	
19	DB1010	Metal Scrap	2 TPA	4 TPA	6 TPA	Sale to outside agencies/ recyclers	
20	--	Used Filters (HEPA filters, Oil Filters)	100 Nos/year	200 Nos/year	300 Nos/year	Sent to TSDF	
21	--	Used / Discard	0.5	0.5 TPA	1.0 TPA	Sent to TSDF	

				ed RO Membranes				
16	Green Belt Coverage - % of total area	Existing: 3,645 Sqm (45.03% of total area) Proposed: -448.0 Sqm (-5.54% of total area) Total: 3,197 Sqm (39.5% of total area)						
17	EMP	Existing Capital cost – 163.5 Lakhs Existing Recurring cost – 19.0 Lakhs/year Proposed Capital cost – 131.5 Lakhs Existing Recurring cost – 13.0 Lakhs/year						
18	**CER Activities**							
Avenue plantation of 600 saplings each in Hegsanhalli village and Chicksugur village								
Provision of RO water system, toilet, rainwater harvesting system, smart class in Government School, Chicksugur								
Provision of RO water system, toilet, rainwater harvesting system in Community Health Centre, Jegarkal								
Installation of solar streetlights in Hegsanhalli village and Chicksugur village								

The proposal is for modification and expansion of API manufacturing unit from 15 products & 18.7 TPM to 49 new products with 280 TPM capacity. For the existing facility, Proponent had obtained EC issued from MoEF&CC on 06.07.2011 and CFO from KSPCB dated 09.01.2020. Proponent informed the Committee that they had applied on 29.12.2021 for the expansion under 'B2' as per the provisions of MoEF&CC Notification dated 16.07.2021 and had obtained transfer of EC from MoEF&CC on 06.02.2024 and had submitted CCR from MoEF&CC on 18.04.2023.

The Committee during appraisal sought details regarding exising and proposed products, effluent & hazardous wastes and its disposal, process emission and its control, emission load considering the worst cases cenario & consolidated pollution load and details of emission source and control measures. The Proponent informed the following,

Details of API product, Capacity, CAS No, Therapeutic Use,

DETAILS OF EXISTING PRODUCTS WITH PROPOSED MODIFICATION REMARKS

S. No	Name of Product	Existing quantity in TPM	Proposed quantity in TPM	Total quantity in TPM	Remarks
1	Amlodipine Besylate	1.50	-	0	Removed
2	Atorvastatin Calcium	1.50	-	0	Removed
3	Certizine di Hydrochloride	1.00	-	1.00	No Change
4	Ciprofloxacin Hydrochloride Monohydrate	3.00	-	0	Removed
5	Fluconazole	1.50	-	0	Removed
6	Lamivudine	1.50	-	0	Removed
7	Levocertizine di	3.00	-	0.50	Decreased

	Hydrochloride				
8	Losartan Potassium	0.75	-	0	Removed
9	Metformin	0.50	-	0	Removed
10	Montelukast Sodium	0.60		0.25	Decreased
11	Pantoprazole	0.75	-	0	Removed
12	Sidenafil Citrate	0.50	-	0	Removed
13	Tramadol Hydrochloride	0.60	-	0	Removed
14	Vaisartgan	1.50	-	0	Removed
15	Zidovudine	0.50	-	0	Removed
	Total	**18.7**		**4.0**	

CONSOLIDATED LIST OF PROPOSED PRODUCTS WITH QUANTITIES

S.No.	Name of Product	Qty in kg/month	CAS No.	Therapeutic usage
1.	**1-Benzhydryl-4-Methyl-Piperazine**	50	303-25-3	-
2.	**4-[4-(5-hydroxymethyl-2-oxo-oxazolidin-3-yl) phenyl] morpholin-3-one**	5000	2733280-11-8	-
3.	**Apixaban**	50	503612-47-3	Antiretroviral
a.	6-(4-iodo-phenyl)-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c] pyridine-3-carboxylic acid ethyl ester	60	473927-64-9	-
b.	1-(4-Methoxy-phenyl)-7-oxo-6-[4-(2-oxo-piperidin-1-yl)-phenyl]-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c] pyridine-3-carboxylic acid ethyl ester	55	503614-92-4	-
4.	**Bempedoic Acid**	1000	738606-46-7	For blocking the production of cholesterol in the liver
a.	Triethyl 6-methylheptane-1,1,6-tricarboxylate	390	55502-79-9	-
b.	8-ethoxy-7,7-dimethyl-8-oxooctanoic acid	480	3946-32-5	-
c.	Diethyl 2,2-dimethyl-8-oxodecanedioate	720	738606-43-4	-
d.	triethyl 2,14-dimethyl-8-oxopentadecane-2,7,14-tricarboxylate	1050	2448269-26-7	-
5.	**Bilastine**	1000	202189-78-4	To treat symptoms of seasonal allergies, including sneezing, itchy and runny nose; itchy, red and watery eyes; and skin rash and irritations.

S.No.	Name of Product	Qty in kg/month	CAS No.	Therapeutic usage
a.	4-bromophenethyl methanesulfonate	900	64755-47-1	-
b.	ethyl-2-(4-(2-(-(-(2-ethoxyethyl)-1H-benzo[d]imidazol-2-yl) piperidin-1-yl) ethyl) phenyl)-2-methylpropanoate	1330	1181267-38-8	-
6.	**BiperidenHCl**	50	1235-82-1	For treatment of arteriosclerotic, idiopathic, and postencephalitic parkinsonism.
a.	Biperiden	45.7	1235-82-1	-
7.	**Benfotiamine**	3000	22457-89-2	To treat a nerve damage caused by diabetes (diabetic neuropathy)
8.	**Breviracetam**	100	357336-20-0	
a.	(S)-2-((R)-2-oxo-4-propylpyrrolidin-1-yl) butanoic acid		2663706-07-6	-
9.	**Cetrizine di HCl**	1000	83881-52-1	To treat the relieve allergy symptoms such as watery eyes, runny nose, itching eyes/nose, sneezing, hives, and itching
a.	p-chlorobenzhydrol	1160	119-56-2	-
b.	p-chlorobenzhydryl chloride	1040	134-83-8	-
c.	4-chlorobenzhydryl piperazine	1000	300543-56-0	-
10.	**Citicoline**	1000	33818-15-4	To treat memory loss due to aging, improve vision in people with glaucoma, and help with recovery in stroke patients
11.	**Clopidogrel Bisulphate**	1000	120202-66-6	Used to prevent heart attacks and strokes in persons with heart disease (recent heart attack), recent stroke, or blood circulation disease
a.	(S)-Methyl 2-(2-chlorophenyl)-2-((2-(thiophen-2-yl)ethyl)amino)acetate hydrochloride	945	141109-19-5	-
12.	**Dabigatran Etexilate Mesylate**	500	872728-81-9	Anticoagulant Used to prevent strokes in those with atrial fibrillation
a.	Ethyl-3-(2-((4-amidophenylamino)methyl)-1-methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-5-	340	211915-84-3	-

S.No.	Name of Product	Qty in kg/month	CAS No.	Therapeutic usage
	carboxamido)propanoate			
13.	**Dapagliflozin**	100	461432-26-8	Anti diabetic
a.	3,4,5-tris-trimethylsilanyloxy-6-trimethylsilanyloxymethyl-tetrahydro-pyran-2-one	124	32384-65-9	-
b.	2-[4-chloro-3-(4-ethoxy-benzyl)-phenyl]-6-hydroxymethyl-2-methoxy-tetrahydropyran-3,4,5-triol	112	714269-57-5	-
14.	**Domperidone**	5000	57808-66-9	Anti-sickness
a.	4-amino-piperidine-1- carboxylic acid ethyl ester	7000	58859-46-4	-
b.	4-(4-chloro-2-nitrophenylamino)-piperidine-1-carboxylic acid ethyl ester	9500	53786-44-0	-
c.	5-chloro-1-piperidine-4-yl-1,3-dihydrobenzoimidazol-2-one	4500	53786-28-0	-
15.	**Doultegravir**	250	1051375-16-6	
a.	Methyl-4-methoxyacetoacetate	120	41051-15-4	-
16.	**Duloxetine**	500	136434-34-9	Antidepressant
a.	3-dimethylamino-1-thiophen-2-yl-propan-1-ol mandelate	550	5424-47-5	-
b.	3-dimethylamino-1-thiophen-2-yl-propan-1-ol	300	13636-02-7	-
c.	Dimethyl-[3-(naphthalen-1-yloxy)-3-thiophen-2-yl-propyl] amine oxalate	630	500-44-7	-
17.	**EdioxabanTosylate**	25	480449-71-6	Reduce the risk of stroke and systemic embolism (SE)
a.	{2-[(5-chloro-pyridin-2-ylaminooxalyl]-5-dimethylcarbamoylcyclohexyl}-carbamic acid tert-butyl ester	20	365998-36-3	-
b.	N-(2-amino-4-dimethylcarbamoyl-cyclohexyl)-N'-(5-chloropyridin-2-yl)-oxalamide	15	480452-37-7	-
18.	**Empagliflozin**	100	864070-44-0	Anti diabetic
a.	(2-chloro-5-iodophenyl) -(4-fluorophenyl)-methanone	90	915095-86-2	-
b.	(2-chloro-5-iodophenyl)-[4-(tetrahydrofuran-3-yloxy)-phenyl]-methanone	105	915095-87-3	-

S.No.	Name of Product	Qty in kg/month	CAS No.	Therapeutic usage
c.	3-[3-(5-chloro-2-iodobenzyl)-phenoxy]-tetrahydrofuran	100	915095-94-2	-
19.	**Esomperazole Magnesium Trihydrate**	500	217087-09-7	
20.	**Ezetimibe**	100	163222-33-1	Anti hyperlipidemic
a.	5-(4-fluorophenyl)-5-oxopentanoic acid	53	149437-76-3	-
b.	1-(4-fluorophenyl)-5-(2-oxo-4-phenyloxazolidin-3-yl) pentane-1,5-dione	89	189028-93-1	-
21.	**Gliclazide**	1000	21187-98-4	This medication is used in conjunction with diet and exercise regimens to control high blood sugar in non-insulin dependent diabetic patients
22.	**Hydrochlorothiazide**	500	58-93-5	To treat edema
a.	4-amino-6-chloro-benzene-1,3-disulfonic acid diamide	550	121-30-2	-
23.	**Itraconazole**	1000	84625-61-6	Anti fungus
24.	**Lansoprazole**	1000	103577-45-3	To treat certain stomach and esophagus problems
25.	**Levocetrizine di HCl**	500	130018-77-8	To relieve allergy symptoms such as watery eyes, runny nose, itching eyes/nose, and sneezing. It is also used to relieve itching and hives
a.	(4-chlorophenyl) (phenyl)methanamine	700	163837-57-8	-
b.	(R)-(4-chlorophenyl) (phenyl)methanamine	300	163837-57-8	-
c.	(R)-2-(4-((4-chlorophenyl) (phenyl)methyl) piperazin-1-yl) ethanol	375	705289-61-8	-
26.	**Liftegrast**	25	1025967-78-5	For the treatment of keratoconjunctivitissicca (dry eye syndrome).
a.	(S)-benzyl-2-(2-(benzofuran-6-carbonyl)-5,7-dichloro-1,2,3,4-tetrahydroisoquinoline-6-carboxamido)-3-(3-(methylsulfonyl)phenyl) propanoate	33	1194550-67-8	-
27.	**Linagliptin**	100	668270-12-0	Antidiabetic
a.	8-bromo-7-(but-2-yn-1-yl)-3-methyl-1- [(4-methyl quinazolin-2-yl) methyl]-3,4,5,7-tetrahydro-	102	853029-57-9	-

S.No.	Name of Product	Qty in kg/month	CAS No.	Therapeutic usage
	1H-purine-2,6-dione			
b.	(R)-8-(3-aminopiperidin-1-yl)-7-(but-2-yn-1-yl)-3-methyl-1-((4-methylquinazolin-2-yl) methyl)-1H-purine-2,6-(3H,7H)-dione	105	1383917-84-7	-
28.	**MirabegronHCl**	25	223673-61-8	To treat overactive bladder in adults
a.	2-[2-(4-nitrophenyl)-ethylamino]-1-phenylethanol	19	223673-34-5	-
b.	2-[2-(4-aminophenyl)-ethylamino]-1-phenylethanol	16	521284-22-0	-
29.	**Montelukast Sodium**	250	151767-02-1	Anti-allergic & Asthma
a.	3-[2-(7-chloroquinolin-2-yl)-vinyl]-benzaldehyde	300	120578-03-2	-
b.	1-{3-[2-(7-chloroquinolin-2-yl)-vinyl]-phenyl}-prop-2-en-1-ol	300	149968-10-5	-
c.	2-(3-{3-[2-(7-chloroquinolin-2-yl)-vinyl]-phenyl}-3-oxopropyl) benoic acid methyl ester	387.5	149968-11-6	-
30.	**Netarsudil**	10	1254032-66-0	Treat glaucoma
a.	4-(3-((tert-butoxycarbonyl) amino)-1-(isoquinolin-6-ylamino)-1-oxopropan-2-yl) benzyl 2,4-dimethyl benzoate	18.15	1253955-19-9	-
b.	(S)-4-(3-(tert-butoxycarbonyl) amino)-1-(isoquinolin-6-ylamino)-1-oxopropan-2-yl) benzyl-2,4-dimethyl benzoate	14.9	1253955-19-9	-
31.	**OlmesartanMedoxomil**	5000	144689-63-4	Treat high blood pressure (hypertension)
32.	**Omeprazole**	4000	73590-58-6	To treat certain stomach and esophagus problems
33.	**Phthaloyl Amlodipine**	500	88150-62-3	The treatment of hypertension and cardiovascular disease.
34.	**QuetiapineFumarate**	3000	111974-72-2	To treat the symptoms of schizophrenia
a.	Phenyl-2-phenyl carbamate	2475	111974-73-3	-
b.	dibenzo-1,4-thiozepin-1H-one	1725	3159-07-7	-
c.	11-piperazine-1-yl-5a,9a,10,11-tetrahydro-dibenzo [b,f][1,4]thiazepine	2100	111974-74-4	-
35.	**Rabeprazole Sodium**	250	117976-90-6	To treat gastritis
a.	4-nitro-2,3-dimethyl pyridine-N-oxide	162.5	37699-43-7	-

S.No.	Name of Product	Qty in kg/month	CAS No.	Therapeutic usage
b.	4-(3-methoxypropoxy)-2-hydroxymethyl-3-methyl pyridine	225	118175-10-3	-
c.	2-[4-(3-methoxypropoxy)-3-methylpyridin-2-ylmethanesylfinyl]-1H-benzoimidazole	250	117976-90-6	-
36.	**RactopamineHCl**	2000	90274-24-1	
a.	4-(3-aminobutyl) phenol	1100	52846-75-0	-
b.	1-(4-hydroxyphenyl)-3- [2-(4-hydroxy phenyl) ethylamino] butan-1-one hydrochloride	2100	2657-25-2	-
37.	**Rivaroxaban**	250	366789-02-8	Platelet Inhibitor
a.	Methane sulfonic acid-2-oxo-3-[4-(3-oxomorpholin-4-yl) phenyl] oxazolidin-5-yl methyl ester	260	446292-08-6	-
38.	**Sertraline HCl**	4000	79559-97-0	To treat depression, panic attacks
a.	Racemic cis sertraline	3960	79617-89-3	-
39.	**SibutramineHCl Monohydrate**	250	125494-59-9	
40.	**Sitagliptin Phosphate**	250	654671-77-9	To control high blood sugar
a.	3-amino-1-(3-trifluoromethyl-5,6-dihydro-8H- [1,2,4] triazolo[4,3-a] pyrazin-7-yl)-4-(2,4,5-trifluorophenyl) but-2-en-1-one	195	486460-32-6	-
b.	3-amino-1-(3-trifluoromethyl-5,6-dihydro-8H- [1,2,4] triazolo[4,3-a] pyrazin-7-yl)-4-(2,4,5-trifluorophenyl) but-2-en-1-one hydroxy phenyl acetate	267.5	**486460-32-6**	-
41.	**Sugammadex Sodium**	10	343306-79-6	Anesthesia
42.	**TamsulosinHCl**	25	106133-20-4	To treat Benign Prostatic Hyperplasia (BPH)
43.	**Teneligliptin**	50	1572583-29-9	Monotherapy
a.	(2S,4S)-tertbutyl-4-(4-(3-methyl-1-phenyl-1H-pyrazol-5-yl) piperazine-1-yl)-2-(thiazolidine-3-carbonyl) pyrrolidine-1-carboxylate		401566-80-1	-
44.	**Ticargrelor**	50	274693-27-5	Prevent a serious or life-threatening heart attack or stroke
b.	3-amino-1-(3-trifluoromethyl-5,6-dihydro-8H- [1,2,4] triazolo[4,3-a] pyrazin-7-yl)-4-(2,4,5-trifluorophenyl) but-2-en-1-one hydroxy phenyl acetate	267.5	**486460-32-6**	-

S.No.	Name of Product	Qty in kg/month	CAS No.	Therapeutic usage
41.	**Sugammadex Sodium**	10	343306-79-6	Anesthesia
42.	**TamsulosinHCl**	25	106133-20-4	To treat Benign Prostatic Hyperplasia (BPH)
43.	**Teneligliptin**	50	1572583-29-9	Monotherapy
a.	(2S,4S)-tertbutyl-4-(4-(3-methyl-1-phenyl-1H-pyrazol-5-yl) piperazine-1-yl)-2-(thiazolidine-3-carbonyl) pyrrolidine-1-carboxylate		401566-80-1	-
44.	**Ticargrelor**	50	274693-27-5	Prevent a serious or life-threatening heart attack or stroke
a.	tert-butyl[[(3aR,4S,6R,6aS)-6-amino-2,2-dimethyltetrahydro-3aH-cyclopenta[d][1,3] dioxol-4-yl]oxy]acetate	240	274693-55-9	-
45.	**Tofacitinib**	50	540737-29-9	Treat rheumatoid arthritis
a.	Methyl-(4-methyl-piperidin-3-yl)-7H-pyrrolo[2,3-d] pyrimidin-4-yl)-amine	31.25	477600-74-1	-
b.	Tofacitinib citrate crude	62.5	540737-29-9	-
46.	**Torsemide**	5000	56211-40-6	To reduce extra fluid in the body
47.	**Vildagliptin**	1000	274901-16-5	Antidiabetic
a.	(S)-1-(2-chloroacetyl) pyrrolidine-2-carboxamide	630	214398-99-9	-
b.	1-(2-chloroacetyl) pyrrolidine-2-carbonitrile	570	207557-35-5	-
48.	**Voriconazole**	100	137234-62-9	Anti fungus
a.	2-(4-amino-4,5-dihydro- [1,2,4] triazol-1-yl)-1-(2,4-difluorophenyl) ethanone	70	86404-63-9	-
b.	1-(2,4-difluorophenyl)-2- [1,2,4]-triazol-1-yl-ethanoate	66	86404-63-9	-
49.	**ZilpaterolHcl**	200	119520-06-8	Increase the size of cattle and the efficiency of feeding them
a.	8,9-dihydro-2H,7H-2,9a-diazabenzo[cd]azulene-1,6-dione	154	92260-81-6	-
b.	Imidazobenzazapineoxirane	144	274-76-0	-
	Total (6 products at a time)	**28 TPM**		

The Proponent informed the Committee that at any given point of time maximum of **6**products will be manufactured.

Details of water consumption,

Sl. no.	**Purpose**	**FreshwaterRequirement In KLD**	**Recycledwater in KLD**	**TotalWater Requirement in KLD**

		Existing	Proposed	Total	Existing	Proposed	Total	
1	Process water	20.5	11.9	32.4	-	-	-	32.4
2	Scrubbing	2.0	1.0	3.0	-	-	-	3.0
3	Boiler	12.0	-	12.0	-	16.0	16.0	28.0
4	Cooling tower	15.0	-	15.0	10.0	12.0	22.0	37.0
5	Washing	1.0	2.0	3.0	-	-	-	3.0
6	Domestc Usage	2.0	1.0	3.0	-	-	-	3.0
7	Gardening	2.5	10	12.5	-	-	-	12.5
Total		**55.0**	**25.9**	**80.9**	**10.0**	**28.0**	**38.0**	**118.9**

Details of effluent generation and disposal,

Sl. no.	Purpose	Effluent Generation in KLD			Treatment Method
		Existing	Proposed	Total	
1	Process water	20.0	12.9	32.9	MEE-50 KLD (Existing MEE -20 KLD will be upgraded)
2	Scrubbing	2.0	1.0	3.0	
3	Boiler	5.0	1.0	6.0	BTP-70 KLD (Existing BTP -20 KLD will be upgraded)
4	Cooling tower	5.0	-	5.0	
5	RO Reject	-	6.5	6.5	
6	Washing	1.0	2.0	3.0	
7	Domestic Usage	1.8	0.9	2.7	Septic Tank & soak pit
Total		**34.8**	**24.3**	**59.1**	

Details HTDS & LTDS effluent,

Sl. No.	Unit	HTDS (KLD)	LTDS (KLD)	Waste-water Generation in KLD	Treatment Method
1	Process water	29.4	3.5	32.9	MEE- 50 KLD
2	Scrubbing	3	-	3	
3	Boiler	-	6	6	BTP-70 KLD
4	Cooling tower	-	5	5	
5	RO reject	-	6.5	6.5	
6	Washing	-	3	3	
7	Domestic usage	-	2.7	2.7	Septic Tank & Soak Pi
	Total	**32.4**	**26.7**	**59.1**	

Detailsof hazaradous& solid waste generation and disposal

Sl No	Category of HW	Type/Name of Hazardous waste	Quantity			Mode of disposal
			Existing	Proposed	Total	
1	5.1	Used Spent Oil	1 KL/A	0.1 KL/A	1.1 KL/A	Shall be stored in secured manner & handed over to KSPCB authorized re-

Sl No	Category of HW	Type/Name of Hazardous waste	Quantity			Mode of disposal
						processors.
2	5.2	Waste residue containing oil	0.02 MT/A	0.02 MT/A	0.04 MT/A	Shall be stored in secured manner & handed over to KSPCB authorized vendors
3	20.3	Distillation Residue	12.0 MT/A	160 MT/A	172 MT/A	Shall be stored in secured manner & handed over to KSPCB authorized recyclers
4	28.1	Process residues and wastes	37.5 MT/A	495 MT/A	532.5 MT/A	Store in secured manner and hand over to authorized cement industry for Co-processing/TSDF
5	28.2	Spent Catalyst	30 MT/A	23 MT/A	53 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized recyclers
6	28.4	Off Specification Products	1.5 MT/A	2 MTA	3.5 MTA	Store in secured manner and hand over to authorized cement industry for Co-processing/TSDF
7	28.5	Date expired products	-	3 MTA	3 MTA	Store in secured manner and hand over to authorized cement industry for Co-processing/TSDF
8	28.6	Spent Solvent	120 KL/A	3.3	123.3 KL/A	Shall be stored in secured manner and handed over to KSPCB authorized recyclers
9	33.1	Empty barrels/ Containers/ liners contaminated with hazardous chemicals / wastes.	2.4 MT/A	2.5 MT/A	4.9 MT/A	After complete detoxification, shall be disposed to the outside agencies.
10	33.2	Contaminated cotton rags or other cleaning materials	--	200 Kgs/month	200 Kgs/month	Store in secured manner and hand over to KSPCB Authorized Vendor
11	35.3	Chemical sludge from wastewater treatment	45 MT/A	255 MT/A	300 MT/A	Shall be stored in secured manner & handed over to KSPCB authorized TSDF.
12	A1160	Used Lead Acid batteries	5 No's/ Annum	5 No's/ Annum	10 No's/ Annum	Returned back to dealer/ Supplier
Other & Miscellaneous Solid Wastes						
13	--	Coal Ash	0.6 TPD	1.1 TPD	1.7 TPD	Sent to brick manufacturers
14	--	Briquette Ash	1.5 TPD	3 TPD	4.5 TPD	Sent to fertilizer industry
15	--	Residues from Scrubber	--	32.3 Kgs/ day	32.3 Kgs/ day	Shall be stored in secured manner & handed over to TSDF.

Sl No	Category of HW	Type/Name of Hazardous waste	Quantity			Mode of disposal
16	--	Used PPE	10 Kgs/ Month	15 Kgs/ Month	25 Kgs/ Month	Sent to authorized vendor
17	B1110	E- Waste	150 Kgs/ A	250 Kgs/ A	350 Kgs/ A	Authorized recyclers
18	--	Plastic Waste	100 Kgs/ Annum	400 Kgs/ Annum	500 Kgs/ Annum	Authorized recyclers
19	DB1010	Metal Scrap	2 TPA	4 TPA	6 TPA	Sale to outside agencies/ recyclers
20	--	Used Filters (HEPA filters, Oil Filters)	100 Nos/year	200 Nos/year	300 Nos/year	Sent to TSDF
21	--	Used / Discarded RO Membranes	0.5	0.5 TPA	1.0 TPA	Sent to TSDF

Process emission details and arrangements to control

Sl. No.	Name of the Gas	Quantity in kg/d	Treatment Method	Disposal Method
1	Hydrogen Chloride	26.5	Scrubbed by using water media	Generated Dil. HCl will be reused within the industry
2	Ammonia	8.8	Scrubbed by using water media	Generated NH4OH will be reused within the industry
3	Dimethyl amine	1.3	Scrubbed by using water media	Residues from the reactionwill be sent to TSDF
4	Hydrogen Bromide	10.8	Scrubbed by using C.S. Lye solution	Residues from the reactionwill be sent to TSDF
5	Hydrogen Iodide	2.0		
6	Hydrogen Fluoride	0.2		
7	Sulphur Dioxide	5.7		
8	Methyl chloride	2.6		
9	Carbon Dioxide	71.5	Dispersed into atmosphere	-
10	Oxygen	5.6		
11	Nitrogen	0.3		
12	Propane	1.1		
13	Ethylene	1.0		
14	Hydrogen	4.2	Dispersed into atmosphere through flame arrestor	

Details of emission Load Considering the Worst Case Scenario

For any 6 products that to be manufactured at a given point of time. The consolidated pollution load is as below,

CONSOLIDATED POLLUTION LOAD

SL No	Product Name	Production capacity in kgs/month	Production capacity in kgs/Day	Quantity in Kgs/day														
				Water input	Water in Effluent	Effluent load						Process Organic residues	Distillation Residue	Inorganic Residue	Total Solid waste	Spent carbon	Spent Catalyst	Process Emission/ VOCs Kgs
						TDS Load	Total Organics in effluents	COD load	HTDS	LTDS	Total Effluents							
1	Apixaban	50	1.67	11.67	11.67	0.02	0.33	0.55	0.00	12.02	12.02	0.24	0.23	0.00	0.47	0.17	0.00	0.49
2	Bempedoic Acid	1000	33.33	483.33	479.33	78.33	[illegible]	171.53	656.67	0.00	656.67	1.33	0.00	0.00	1.33	0.00	0.00	7.33
3	Bilastine	1000	33.33	466.67	465.00	80.33	[illegible]	252.31	616.33	[illegible]	716.33	10.00	16.67	[illegible]	40.00	0.00	0.00	7.33
4	BiperidenHCl	50	1.67	11.67	11.25	0.47	0.00	0.00	10.89	0.83	11.72	0.07	0.00	0.00	0.07	0.00	0.00	0.00
5	Brevíracetam	100	3.33	9.52	10.13	0.29	0.72	1.33	0.00	11.14	11.14	0.51	1.52	0.00	2.03	0.00	0.00	0.00
6	Cetrizine di HCl	1000	33.33	666.67	700.35	98.23	3.57	6.98	802.15	0.00	802.15	[illegible]	0.00	0.00	37.65	2.83	0.00	1.20
7	Clopidogrel Bisulphate	1000	33.33	233.33	236.61	18.34	1.33	2.40	256.28	0.00	256.28	[illegible]	11.83	[illegible]	43.62	2.17	0.00	4.00
8	1-Benzhydryl-4-Methyl-Piperazine	50	1.67	20.83	29.04	3.13	3.68	8.20	35.84	0.00	35.84	0.73	0.14	0.00	0.86	0.00	0.00	0.28
9	DabigatranEtexilate Mesylate	500	16.67	300.00	300.87	7.24	8.83	17.58	230.61	86.33	316.94	9.50	14.50	3.33	27.33	0.00	0.00	2.23
10	Dapagliflozin	100	3.33	56.67	55.88	11.00	1.47	3.33	68.36	0.00	68.36	0.53	1.40	0.00	1.93	0.00	0.00	0.85
11	Domperidone	5000	166.67	[illegible]	10849.9	418.3	[illegible]	113.03	[illegible]	[illegible]	11318.2	[illegible]	[illegible]	0.00	501.40	0.00	0.00	192.67
12	Doultegravir	250	8.33	104.17	104.67	2.96	7.83	10.90	115.46	0.00	115.46	0.17	3.17	0.00	3.33	0.00	0.00	1.08
13	Duloxetin	500	16.67	[illegible]	1099.07	12.85	13.57	27.05	[illegible]	0.00	1125.48	11.94	6.00	3.33	21.27	0.00	0.00	4.24
14	EdioxabanTosylate	25	0.83	3.33	3.32	0.01	0.07	0.03	0.00	3.40	3.40	0.39	0.21	0.00	0.61	0.07	0.00	0.10
15	Empagliflozin	100	3.33	66.67	65.70	3.62	1.80	3.58	36.56	34.57	71.12	0.20	1.17	0.00	1.37	0.00	0.00	2.19
16	Esomperazole Magnesium Trihydrate	500	16.67	133.33	134.14	4.47	0.50	0.90	139.11	0.00	139.11	11.02	2.33	0.00	13.35	0.83	0.00	0.00
17	Ezetimibe	100	3.33	33.33	32.55	2.04	0.00	0.00	31.10	3.49	34.59	1.49	1.33	0.00	2.82	0.00	0.17	1.53
18	Gliclazide	1000	33.33	166.67	166.67	7.92	0.00	0.00	174.58	0.00	174.58	14.58	16.00	0.00	30.58	[illegible]	0.00	0.00
19	Hydrochlorothiazide	500	16.67	43.33	47.08	3.07	0.77	1.84	20.99	29.92	50.91	4.65	1.17	0.00	5.82	0.00	0.00	5.24
20	Itraconazole	1000	33.33	819.44	819.56	74.89	[illegible]	[illegible]	944.53	0.00	944.53	15.56	5.00	0.00	20.56	1.11	0.00	3.61
21	Lansoprazole	1000	33.33	913.33	928.00	10.77	16.27	19.30	194.10	[illegible]	955.03	5.57	11.33	[illegible]	34.17	1.00	[illegible]	9.33
22	Levocetrizine di HCl	500	16.67	591.67	596.63	36.56	4.67	14.26	484.53	[illegible]	637.86	6.59	1.75	0.00	8.34	[illegible]	0.17	7.37
23	Liftegrast	25	0.83	4.17	4.26	0.17	0.83	1.25	5.26	0.00	5.26	0.27	0.81	0.00	1.08	0.05	0.00	0.00
24	Linagliptin	100	3.33	80.00	79.73	2.20	1.90	2.93	83.83	0.00	83.83	1.79	4.13	0.83	6.75	0.83	0.00	1.01
25	MirabegronHCl	25	0.83	5.67	5.70	0.07	0.29	0.55	6.06	0.00	6.06	0.23	0.53	0.00	0.77	0.02	0.00	0.07
26	Montelukast Sodium	250	8.33	180.00	183.30	21.96	3.08	4.91	208.35	0.00	208.35	13.58	3.98	0.00	17.57	0.00	[illegible]	1.09
27	Netarsudil	10	0.33	2.50	2.51	0.12	0.04	0.08	2.67	0.00	2.67	0.31	0.08	0.00	0.39	0.01	0.00	0.04
28	OlmesartanMedoxo	5000	166.67	[illegible]	8205.13	4413	[illegible]	152.4	[illegible]	0.00	12667.6	[illegible]	[illegible]	[illegible]	3760.3	[illegible]	0.00	0.00

SL No	Product Name	Production capacity in kgs/month	Production capacity in kgs/Day	Quantity in Kgs/day														
				Water input	Water in Effluent	Effluent load						Process Organic residues	Distillation Residue	Inorganic Residue	Total Solid waste	Spent carbon	Spent Catalyst	Process Emission/ VOCs Kgs
						TDS Load	Total Organics in effluents	COD load	HTDS	LTDS	Total Effluents							
	mil							1										
29	Omeprazole	4000		493.33	535.20	78.52	21.60	33.88	628.39	6.93	635.32	0.95	13.07		69.20	0.00	0.00	24.80
30	QuetiapineFumarate	3000		625.00	633.74	87.80	15.55	22.57	732.58	4.51	737.09	13.46	1.50	0.00	14.96	0.00	0.00	11.61
31	Rabeprazole Sodium	250	8.33	237.50	266.70	8.56	3.71	3.61	277.97	1.00	278.97	5.36	1.83	3.31	10.50	0.83	0.00	1.93
32	RactopamineHCl	2000	66.67	400.00	470.73	35.79	4.67	8.59	277.76		511.19	11.85		0.00	46.52	3.33		9.76
33	Rivaroxaban	250	8.33	146.67	145.05	5.96	3.33	5.08	78.96	75.39	154.35	6.26	6.67	0.00	12.93	0.50		4.95
34	Sertraline HCl	4000		3226.67	3226.67	173.3		104.00		0.00	3449.33	16.00		0.00	360.00		0.00	0.00
35	Sitagliptin Phosphate	250	8.33	183.33	182.76	5.29	4.40	12.84	133.66	58.79	192.45	4.48	9.17		18.64	0.00	0.00	2.97
36	SibutramineHCl Monohydrate	250	8.33	11.67	11.67	0.00	0.00	0.00	0.00	11.67	11.67	0.03	0.00	0.00	0.03	0.00	0.00	0.00
37	Sugammadex Sodium	10	0.33	2.83	3.02	0.17	0.04	0.06	3.23	0.00	3.23	0.01	0.06	0.00	0.07	0.00	0.00	0.10
38	TamsulosinHCl	25	0.83	6.25	6.33	0.29	0.00	0.00	5.29	1.33	6.62	0.39	0.04	0.00	0.43	0.00	0.00	0.25
39	Teneligliptin	50	1.67	10.00	9.90	0.85	0.40	1.13	11.15	0.00	11.15	1.83	0.75	0.15	2.73	0.17	0.00	0.24
40	Ticargrelor	50	1.67	112.00	113.90	44.00	6.52	6.72	96.19	68.23	164.42	10.48	2.83	0.33	13.65	0.00	0.13	4.02
41	Tofacitinib	50	1.67	141.67	141.67	1.22	12.90	29.04	63.55	92.23	155.78	1.75	4.29	0.00	6.04	0.88		0.40
42	Torsemide	5000		116.67	116.67	9.17	10.42	15.85	136.25	0.00	136.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	Vildagliptin	1000	33.33	266.67	270.68	36.67	8.67	16.60	119.67		316.01				114.25		0.00	14.94
44	Voriconazole	100	3.33	58.33	58.24	2.22	0.87	0.86	61.33	0.00	61.33	0.09	0.13	0.00	0.22	0.33	0.00	0.49
45	ZilpaterolHcl	200	6.67	260.00	257.29	8.77	0.33	0.88	266.40	0.00	266.40	0.87	0.03	0.00	0.90	0.00	0.00	6.43
46	Benfotiamine	3000		1647.00	1651.10	28.83	20.70	16.89		0.00	1700.63	5.44	2.00	0.00	7.44		0.00	0.86
47	Citicoline	1000	33.33	666.67	728.13	40.43	6.67	10.00	775.23	0.00	775.23		8.67	0.00	55.87	3.33	0.00	0.00
48	Phthaloyl Amlodipine	500	16.67	351.11	294.91	6.50	3.67	4.50	305.08	0.00	305.08	0.64	0.00	0.00	0.64	0.00	0.00	0.14
49	4-[4-(5-hydroxymethyl-2-oxo-oxazolidin-3-yl) phenyl] morpholin-3-one	5000		1111.11	1111.11	67.70	19.84	31.55		0.00	1198.65	19.25		0.00	86.71	0.00		57.10
	Total (6 Products)	28000	800.00	25956.57	26143.01	5271.03	468.90	860.65	29373.88	3530.14	32904.02	726.11	792.10	3143.27	4661.49	66.90	17.52	310.88

Details of air emission sources, pollution control measures and fuel consumption,

Sl. no.	Stack attached to	Fuel used	Fuel Consumption	Number of stacks	Stackheight	Air Pollution Control unit	Constituents to be controlled
Existing							
1	Process section	-	-	2	9 m AGL	Scrubber (2 no's)	Acid Mist
2	D.G. set - 200KVA	Diesel (L/hr)	42.0	1	3 m ARL	Acoustic Enclosure	SO_2, NOx, PM
3	Boiler – 2TPH	Coal (TPD)	6.0	1	25 m AGL	Multi Cyclone Separators	SO_2, NOx, PM
Proposed							
4	Process section	-	-	1	10 m AGL	Scrubber (1 no.)	Acid Mist
5	Boiler 4 TPH	Coal (TPD)	8.0	1	30 m AGL	Multi Cyclone Separator with Bag Filter	SO_2, NOx, PM
		Briquette (TPD)	11.0				
6	D.G. set – 250 KVA	Diesel (L/Hr)	52.0	1	6 m AGL	Acoustic Enclosures	SO_2, NOx, PM
7	Thermic Fluid Heater- 2,00,000 Kcal/hr.	Diesel	700.0	1	15 m AGL	Chimney	SO_2, NOx, PM

Further, 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 have Public Liability Insurance.
2. To have EPR plastic registration
3. To install online continuous emission monitoring system
4. To install flowmeter and cameras
5. To take precautionary measures while storing solvent and to store the solvents as per the guidelines in safest manner possibleand have above GL pipelines
6. To obtain approved onsite and off-site emergency plan
7. To comply with the observation in CCR
8. To majorly use briquittes as boiler fuel and face out use of coal.
9. To carry out regular health checkup for the workers in the nearby Hospital.
10. To provide three row green belt around the site area.
11. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.

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

With permission of the Chair

315.1.31 Modification & Expansion of Residential Apartment Project by M/s Godrej Properties Ltd. – Online Proposal No. SIA/KA/INFRA2/485412/2024 (SEIAA 56 CON 2024)

About the project:

Sl.No.	Particulars	Information Provided by Proponent
1	Name & Address of the Project Proponent	Mr. Kamalakar Reddy, Authorized Signatory, M/s. Godrej Properties Ltd., Prestige Obelisk, Kasturba Road, 10th Floor, Ambedkar Veedhi, Sampangi Ramnagara, Bengaluru - 560001
2	Name & Location of the Project	Expansion of Residential Apartment Project located at Sy. Nos. 73, 77, 174/1B, 175/1, 175/2A, 175/2B, 176/1, 176/2A, 176/2B, 78/1A, 78/2B, 78/4, 78/3A, 79/1C2 & 177, 174/1B, 178 of Kodathi Village, Varthur Hobli, Bangalore East Taluk, Bangalore-560087
3	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartment
b.	Residential Township/ Area Development Projects	8 (b)-Township & area development projects as per the EIA notification 2006.
c.	Zoning Classification	Residential
4	New/ Expansion/ Modification/ Renewal	Expansion
5	Water Bodies/ Nalas in the vicinity of project site	Hadosiddapura Lake – 0.5 Km (W)
6	Plot Area (Sqm)	1,29,703.76 sqm
7	Built Up area (Sqm)	4,03,644.94 sqm
8	FAR • Permissible • Proposed	Net site area (1 +2) = 57,872.32 sqm + 60,621.33 sqm Total net site area = 1,18,493.65 sqm Permissible FAR 2.25 Permissible FAR area = 2,66,610.71 sqm Proposed FAR 2.247 Proposed FAR area (1 +2) = 1,30,182.01 +1,36,119.97 sqm Total proposed FAR area = 2,66,301.98 sqm
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	**Tower 1** B+G+36, H - 110.60 **Tower 2** B+G+36, H - 110.60 **Tower 3** B+G+33, H - 101.75 **Tower 4** B+G+33, H - 101.75 **Tower 5** B+G+30, H – 92.90 **Tower 6** B+G+33, H - 101.75 **Tower 7** B+G+33, H - 101.75

10	Number of units/plots in case of Construction /Residential Township /Area Development Projects	2624
11	Height Clearance	Justification Sobha Royal Pivilion at a distance of 0.5 kms from the project site is having top elevation of 1045 mtrs AMSL and proposed project having top elevation 1043 mtrs AMSL. NoC will be obtained competant authority.
12	Project Cost (Rs. In Crores)	602 Crores
13	Quantityexcavated earth& its management	**Activity**: Soil Excavation; **Quantity**: 115,315.00 cum; **Management Plan**: - Backfilling (50%): 57,657.5 cum Stored (50%): 57,657.5 cum Upliftment of road development in front of the site (30%): 34,594.5 cum Top fertile soil stored (20%) for landscape development: 23,063 cum
14	Details of Land Use (Sqm)	
a.	Ground Coverage Area	65,136.33
b.	Kharab Land	-
c.	Total Green belt on Mother Earth	12,685.93
d.	Internal Roads	25,940.75
e.	Paved area	
f.	Others Specify	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	25,940.75
h.	Total	1,29,703.76
15	WATER	
I.	Construction Phase	
a.	Source of water	Construction purpose: Tanker/Treated water from STP Domestic purpose: BWSSB
b.	Quantity of water for Construction in KLD	23.5 KLD
c.	Quantity of water for Domestic Purpose in KLD	4.5 KLD
d.	Waste water generation in KLD	3.6 KLD
e.	Treatment facility proposed and scheme of disposal of treated water	Modular STP
II.	Operational Phase	
a.	Total Requirement of Water in KLD	Total water requirement: 1860.2 KLD Fresh water: 470.68 KLD Recycled water: 1389.52 KLD
b.	Source of water	**Ground water/Gram Panchayat**
c.	Wastewater generation in KLD	Sewage: 613.8 KLD Sullage: 1059.38 KLD Total waste water generation:1673.18 KLD

	d.	STP capacity and Area required	STP: 615 KLD WWTP: 1250 KLD
	e.	Technology employed for Treatment	SBR Technology
	f.	Scheme of disposal of excess treated water if any	Non potable use within the site
16		Infrastructure for Rain water harvesting	
	a.	Capacity of sump/tank to store Roof & Hardscape/soft scape run off	150 KLD X 2 Nos
	b.	No's of Ground water recharge pits	87 Nos
17		Storm water management plan	300 KLD storage tank is provided to store rainwater. Water stored in a storage tank will be used for firefighting and domestic purposes after treatment.
18		WASTE MANAGEMENT	
	I.	Construction Phase	
	a.	Quantity of Construction &Demolition waster and its management	Waste type / Quantity (MT): Soil: 31720.78 cum — Used as filling material on roads Brick: 900 Metal: 150 — Segregated and stored separately on- site and disposed to authorised vendors as per Construction and Demolition Waste 2016 Wood: 70 Sand: 1500 Bitumen: 70 Concrete: 800 Other: 50
	b.	Quantity of Solid waste generation and mode of Disposal other than C & D.	**None**
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms (Capacity of OWC & Area required)	Quantity: 3149 Kg/day Mode of Disposal: Organic waste Converter Capacity of facility: 1000 Kg/day Area required: 100 Sqm
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity: 2099 Kg/day Mode of Disposal: Disposed to authorized vendors. Area required: 70 Sqm
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity: 4 KL per annum of used oil and no. 36 of filters Mode of Disposal: KSPCB authorized recycler Area required: 50 sq m
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity: 10 TPA Mode of Disposal: KSPCB authorized recycler Area required: 50 Sqm
19		POWER	
	a.	Total Power Requirement - Operational Phase	10 MW
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	8 Nos of 500 Kva 2 No of 400 Kva 2 No of 250 Kva 2 No of 200 Kva 2 No of 125 Kva

	c.	Details of Fuel used for DG Set	Diesel/Natural Gas.
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	1% of solar panel will be installed from the total solar power load. Energy efficient appliance and motors/lifts will be used. The LED light swill be used instead of conventional lights. Total savings of 15%
20		PARKING	
	a.	Parking Requirement as per norms (ECS)	3065 Nos
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	LOS: E
	c.	Internal Road width (RoW)	6 Meter
21		CER Activities	Sl.No / Activities 1 – Development of sewer line near project site 2 – contribution towards aesthetic upliftment hadosiddapura lake 3 – Infrastructure facilities to near by Govt. School/Hospital
22		EMP (Details and capital cost & recurring cost)	• Construction phase: 35 Lakhs • Operation phase: 1000 lakhs

The proposal is for expansion and modification of EC issued by SEIAA on 12.04.2023 for BUA of 2,01,948.08 Sqm in plot area of 63,383.88 Sqm to BUA of 4,03,644.94 Sqm in plot area of 1,29,703.76 Sqm for which SEAC had issued ToR on 27.06.2024. The Proponent had obtained Certified Compliance Report (CCR) from MoEF&CC dated 07.12.2023 informing that the building is in construction phase and had obtained CFE from KSPCB dated 18.11.2021 and approved plan from BDA on 26.06.2023 and submitted architect certificate dated 23.07.2024 informing that BUA of 70,593.9 Sqm has been constructed with reference to the earlier EC.

The Committee during appraisal sought details regarding water bodies, drain& cart track as per village map, HT line & railway track and provisions made for harvesting rain water in the proposed area and details of handling of construction waste of the existing construction and source of water. The Proponent informed the Committee that for the water body in south west buffer of 30 mtr from edge of the water body has been proposed and for the secondary drain in south, buffer of 25 mtr from center of drain has been proposed and cart track in north east is left as it is with free public access. For HT line, Proponent informed that they had left setback of 17.5 mtr on either sides and regarding railway track in east, Proponent informed that railway track is more that 60mtr to building line. For harvesting rain water, the Proponent has informed the Committee that they have proposed rainwater storage structures of 2x1000 cum & 2x150 cum for runoff from rooftop, hardscape and landscape areas and with87 recharge pits within the site area. For construction waste generated, Proponent informed that 4173 tons of waste has been scientifically used with in the site and presently 27 tonnes of C & D waste in the form of other waste has been stored at the site as per CPCB SOP and the same shall be utilized in extension of phase 1 or shall be disposed to authorised recycler by obtaining prior permit on one time basis from KSPCB. For source of water, the Proponent informed the Committee that they had obtained borewell drilling permission from KGWA on 20.06.2024 and submitted hydrological assessment report for ground water from CGWA accrediated consultant

namely Mr. Upendra Shrivastava informing about the availability of water 1860.2 KLD for the proposed project and informed the Committee that they will obtain NoC from KGWA extraction of ground water and have sufficient rainwater harvesting structures to utilize complete rainfall within the site area. The Committee as per google images informed the Proponent to clear the debris around the Hadosiddapura Lake adjacent to the project site, to which the proponent agreed.

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

The Proponent agreed to grow 1625 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. For tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To comply with observation mentioned in CCR issued by MoEF&CC.
5. The expansion shall be carried simultaneously along with removal of debris around the lake, adjacent to the project.
6. To provide rain water storagestructure of 2x1000cum, 2x150cum and 87 recharge pits.
7. To grow 1625 trees in the early stage before taking up of construction.
8. To source external water from KGWA approved water tankers.
9. Proponent to obtain KGWA clearance before drilling & extracting ground water.
10. To carry out community recharge of bore wells in the vicinity of the site
11. To construct lead of drains till the natural drains/water body for handling excess water.
12. To explore the possibilities to have 100% battery backup instead of DG sets or to incorporated catalytic converter for DG sets.
13. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
14. To maintain a buffer of 30 m for the water body as No Development Zone (NDZ).
15. To install smart water meters with aerators for individual units to conserve water.

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

Meeting Concluded with vote of thanks to all.

Member Secretary, SEAC
Karnataka

Chairman, SEAC
Karnataka