Proceedings of the 317th SEAC Meeting held on 17th & 18th September 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. The minutes of 316th SEAC meeting held on 21st & 22nd August 2024 was read and confirmed.

317.1.1 Expansion and Modification of Residential Development Project at Venkatala Village, Yelahanka Hobli, Bangalore North Taluk, Bangalore Urban District by M/s. Brigade Tetrarch Pvt. Ltd. – Online Proposal No.SIA/KA/INFRA2/490508/2024 (SEIAA 100 CON 2024)

About the project:

Sl.No.		Particulars	Information Provided by Proponent
1		Name & Address of the Project Proponent	**Mr. Abraham Koshy** 29th & 30th Floor, World Trade Center Bangalore, Brigade Gateway Campus, No.26/1 Dr. Rajkumar road, Malleshwaram - Rajajinagar, Bangalore – 560055.
2		Name & Location of the Project	"Expansion and Modification of Brigade Residential Development at Sy Nos. 10/2(P), 23/1A (P) (Old Sy No. 23/1), 23/2A (Old Sy No. 23/2) of Venkatala Village, Yelahanka Hobli, Bangalore North Taluk.
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	Expansion and Modification of Brigade Residential Development Category 8(b) as per EIA Notification 2006
	c.	Zoning Classification	Proposed project site comes under residential (main) zone/ Mutation Corridor as per Bangalore Revised Master Plan 2015 of 3.07 Yelahanka and Conversion has been obtained for residential purpose on 29.09.2023.
4		New/Expansion/Modification/Renewal	Expansion and Modification

5	Water Bodies/ Nalas in the vicinity of project site	-
6	Plot Area (Sqm)	24,609.75 Sqm (6A 3.25G)
7	Built Up area (Sqm)	1,87,527.29 Sqm
8	FAR • Permissible • Proposed	5.2 5.2
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	• Tower 1 to 6 (2 Number of Building) - 3BF+GF+22UF+TF - 75m • Club House: 3BF+GF+4UF+TF - 22.50m
10	Number of units/plots in case of Construction /Residential Township /Area Development Projects	650 No's
11	Height Clearance	Project site elevation – 910 m Building Height – 75 m Maximum building height: 985 m Permissible Top elevation AMSL (as per NOC from AAI): 985m. Permissible Top elevation AMSL (as per NOC from HAL):1009.1m CCZM height - 955 AMSL or below
12	Project Cost (Rs. In Crores)	300 Cr (Expansion cost – 100 Cr)
13	Quantity excavated earth & its management	Quantity of excavated earth and its management for proposed expansion is shown below:

Description	Quantity in m^3	% Usag
Total Excavated earth	31,988	100
Management		
Backfilling in foundation	10,236	32
For landscaping	7,677	28
Roads & walkways	9,276	29
Site formation	3,016	11

14		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	11,424.18 Sqm
	b.	Kharab Land	809.36 Sqm
	c.	Total Green belt on Mother Earth	5,474.08 Sqm
	d.	Internal Roads	3,331.14 Sqm
	e.	Paved area	
	f.	Others Specify	Civic amenities: 1,190.95 Sqm
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	2,380.04 Sqm
	h.	Total	24,609.75 Sqm
15		WATER	
	I.	Construction Phase	
	a.	Source of water	External Water tanker and STP treated water

	b.	Quantity of water for Construction in KLD	30 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	14 KLD	
	d.	Waste water generation in KLD	12 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Mobile STP	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh water requirement	365 KLD
			Flushing water Requirement	185 KLD
			Total Water requirement	550 KLD
	b.	Source of water	BWSSB	
	c.	Wastewater generation in KLD	468 KLD	
	d.	STP capacity and Area required	550 KLD Area required – 500 Sqm	
	e.	Technology employed for Treatment	Sequencing Batch Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	Available treated water – 445 KLD (95% of wastewater) For flushing – 185 KLD For Landscape – 47 KLD For car washing- 47 KLD For other construction purpose/avenue plantation – 166 KLD	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump/tank to store Roof & Hardscape/soft scape run off	4X220 Cum	
	b.	No's of Ground water recharge pits	27 No's	
17		Storm water management plan	• Land is gently sloping terrain and sloping towards South direction. • 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 waster and its management.	Demolition Waste: C&D waste will be reutilized within the project premises and anything in excess which cannot be either reused or recycled, only such waste will be handed over to BBMP approved designated sites. 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.	

	b.	Quantity of Solid waste generation and mode of Disposal other than C&D.	Solid waste – 30 kg/day Solid waste generated will be 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 (Capacity of OWC & Area required)	Quantity:734 kg/day Mode of Disposal: Organic waste converter Capacity of facility:91.75 kg/hr (734/8 hours (No of hours of operation 8 hrs)). Area required: 40 Sqm
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity:1,099 kg/day Mode of Disposal: Handed over to authorized recycler.
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity:0.25 KL/annum Mode of Disposal: Handed over to authorized waste oil recyclers/ processors.
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity: 0.1 TPA Mode of Disposal: Handed over to the authorized & approved by KSPCB E-waste processors.
19		POWER	
	a.	Total Power Requirement - Operational Phase	4,500 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	4X750 kVA 3X500 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. The energy saving from the project is 21.8 %.
20		PARKING	
	a.	Parking Requirement as per norms (ECS)	Required: 1,039 Provided:1,187
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards Bengaluru – C Towards Hyderabad - C
	c.	Internal Road width (RoW)	
21		CER Activities	• Plantation around the Yelahanka lake area (600m-west). • Total peripheral length of lake – 5,411 m. • Distance between two saplings – 2 m. • Total no. of saplings – 2,750 No's. • Plantation cost for one sapling – Rs 500. • Total plantation cost for 2,750 saplings – Rs 13.0 lakhs. • Rejuvenation of Yelahanka lake (600m-west) by implementing stone pitching, cleaning, and desilting.

		• Refurbishment of Venkatappa art gallery, Kasturaba road, Ambedkhar Veedhi, Sampangirama Nagar Bengaluru.
22	EMP (Details and capital cost & recurring cost)	Construction phase: 33.6 Lakhs • Capital cost: 30.0 Lakhs • Recurring cost:3.6 Lakhs Operation phase: 505.75 Lakhs • Capital cost: 465.75 Lakhs • Recurring cost:40 Lakhs

The proposal is for expansion and modification of residential development project for which EC was issued earlier by SEIAA on 24.08.2023 for BUA of 1,45,034.54 Sqm in plot area of 24,609.75 Sqm and presently it has been proposed for BUA of 1,87,527.29 Sqm with no change in plot area, for which ToR was issued by MoEF&CC on 29.02.2024. The Proponent had obtained Certified Compliance Report (CCR) from MoEF&CC dated 04.07.2024 informing that the project had just started and earthwork excavation and basement works were going on and for the ongoing construction they had obtained CFE from KSPCB dated 06.04.2024 and approved plan from BDA on 30.09.2023 and submitted architect certificate dated 23.08.2024 informing that excavation and basement works were going on with reference to the earlier EC.

The Committee during appraisal sought details regarding cart track as per village map and provisions made for harvesting rainwater in the proposed area and FAR details. The Proponent informed the Committee that the cart track areas in south-east is left as it is with free public access. For harvesting rain water, the Proponent has informed the Committee that they have proposed rainwater storage structures of 4x220 cum and a pond of 200 cum for runoff from rooftop, hardscape and landscape areas with 27 recharge pits within the site area. Regarding FAR, Proponent informed that permissible FAR is 3.25 and along with TDR, the proposed FAR would be 5.2 and they were in process of obtaining the additional TDR.

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 1110 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 incorporate tertiary treatment of 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. To provide rainwater storage structure of 4x220 cum, pond of 200 cum and 27 recharge pits.
6. To grow 1110 trees in the early stage before taking up of construction.
7. To carry out community recharge of bore wells in the vicinity of the site.
8. To construct lead of drains till the natural drains/water body for handling excess water.
9. To explore the possibilities to have 100% battery backup instead of DG sets or to incorporate catalytic converter for DG sets with dual fuel option.
10. To install smart water meters with aerators for individual units to conserve water.
11. To incorporate additional dust control measures during construction.
12. To provide bellmouth entry/exist from the approach road.
13. 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.

317.1.2 Residential Apartment with Club house and C.A. Site Project at Gunjur Village, Varthur Hobli, Bangalore East Taluk, Bangaloreby M/s. Abhee Ventures Private Limited– Online Proposal No.SIA/KA/INFRA2/491652/2024 (SEIAA 62 CON 2024)

About the project:

Sl.No.	Particulars	Information Provided by Proponent
1	Name & Address of the Project Proponent	M/s. Abhee Ventures Private Limited., # 393, 1st Floor, 15th Cross, 5th Main, Sector -6, HSR Layout, Bangalore- 560102
2	Name & Location of the Project	Residential Apartment with club house and C.A site project at Sy.Nos. 58/1, 58/2, 58/3, 58/4, 58/5, 58/6, 58/7, 58/9, 58/12, 58/13 (Old Sy no. 58/6), 302/2, 302/7 (Old Sy no. 302/3A1(P)), 302/3A2, 302/5(Old Sy.Nos.302/2) & 302/6 (Old Sy no. 302/4) of Gunjur Village, Varthur Hobli, Bangalore East 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 and C.A site project Category 8(b) as per EIA Notification 2006
b.	Residential Township/ Area Development Projects	NA
c.	Zoning Classification	As per the CDP project site is designated as agricultural zone
4	New/Expansion/Modification/ Renewal	New
5	Water Bodies/ Nalas in the vicinity of project site	1. Tertiary drain in north, south and inside the project site area. 2. Water body in eastern side.
6	Plot Area (Sqm)	49,320.65
7	Built Up area (Sqm)	2,36,124.95
8	FAR • Permissible • Proposed	 3.00 2.99
9	Building Configuration [Number of	Tower – 1 & 2 of (2B+G+31UF)

	Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Tower – 3 of (2B+G+32UF) Ews Tower of (3B+G+20UF) PRESIDENTIAL Tower of (2B+G+31UF) Amenity Tower of (2B+G+3UF)
10	Number of units/plots in case of Construction/Residential Township /Area Development Projects	No. of Units: 1018 units
11	Height Clearance	Justification: Disha Habitat LLP constructions under construction for height of 101.25 mtr with top elevation of 1028.25 m AMSL at distance of 1.854 km from the proposed project area and the proposed project is having height of 101.25 mtr with top elevation of 1007.25 m 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	2,00,000	Cum
a	For Backfilling	75,000	Cum
b	Top soil requirement for landscape development on natural earth and podium	55,000	Cum
c	Earth used for formation of internal roads	70,000	Cum

14	Details of Land Use (Sqm)		
a.	Ground Coverage Area	15,320.90 Sqm	
b.	Kharab Land	809.36 Sqm	
c.	Total Green belt on Mother Earth	13,650.88 Sqm	
d.	Internal Roads	1,573.95 Sqm	
e.	Paved area		
f.	Others Specify	Road widening area is 582.76 Sqm Civic Amenities (5% of the total plot area) – 2,425.57 (5.00%)	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	--	
h.	Total	49,320.65 Sqm	
15	WATER		
I.	Construction Phase		
a.	Source of water	BWSSB treated water/nearby STP treated water	
b.	Quantity of water for Construction in KLD	50 KLD	
c.	Quantity of water for Domestic Purpose in KLD	8 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	460
		Recycled	300

			Total	760
	b.	Source of water	BWSSB	
	c.	Wastewater generation in KLD	684	
	d.	STP capacity and Area required	STP capacity	700 KLD
			Area required	800Sqmt
	e.	Technology employed for Treatment	SBR Technology	
	f.	Scheme of disposal of excess treated water if any	Excess 274 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	75 cum, 75 cum, 100 cum, 50 cum, 40 cum of collection sump is provided Area required for Rain water tank is 340 Sqmt	
	b.	No's of Ground water recharge pits	26 Nos.	
17		Storm water management plan	We have provided 75 cum, 75 cum, 100 cum, 50 cum, 40 cum of roof water collection sump. The quantity of storm water produced within the site will be directed to recharge pits of 26Nos. 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	
			Proposed project site is vacant land and No Construction & Demolition Waste generated. During Construction phase: If any C& D waste generated during Operation Phase will be utilized within project site for Paved areas.	
	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	1374 kg/day
			Mode of Disposal	Biodegradable waste will be processed in organic waste converter
			Capacity of facility	1375 kg/day of capacity
			Area required	20 Sqmt
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity	916 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	150-180 lts
			Mode of Disposal	Will be given to PCB authorized recycler
			Area required	10 Sqmt
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity	1200 kg/year
			Mode of Disposal	Will be given to PCB authorized recycler
			Area required	10 Sqmt
19		POWER		

	a.	Total Power Requirement - Operational Phase	4455 KW	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	750 KVA X 3 Nos.	
	c.	Details of Fuel used for DG Set	Low Sulphuric diesel	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	23.0%	
20		PARKING		
	a.	Parking Requirement as per norms (ECS)	1207	
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report on SH-35 is B	
	c.	Internal Road width (RoW)	8.0	
21		CER Activities	Towards infrastructure development of nearby government school & government hospital & plantations around the project site	
22		EMP (Details and capital cost & recurring cost)	Construction phase	Rs. 175.0 lakhs
			Operation phase	Rs. 1,491.0 lakhs

The proposal constructionof residential development project in an area earmarked for agriculture use as per zoning regulation of BDA, for which Proponent informed that they had obtained conversion of land to residential use from DC. For the proposed project SEAC had issued ToR on 28.06.2024.

The Committee during appraisal sought details regarding water body, drain and cart track as per village map, road as per zoning authority and provisions made for harvesting rainwater in the proposed area. The Proponent informed the Committee that for the water body in east, there is an existing 30mtr wide public road and for the tertiary drain in northern, southern sides, buffer of 15mtr is proposed from the center of the drain and for the tertiary drain inside the site area, buffer of 15mtrs is proposed on either sides from the center of drain. Regarding harvesting rain water, the Proponent has informed the Committee that they have proposed rainwater storage structures of 75x2 cum, 100 cum, 50 cum & 40 cum capacities for runoff from rooftop, hardscape and landscape areas with 26 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 580 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 incorporate tertiary treatment of 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 rain water storage structure of 75x2 cum, 100 cum, 50 cum & 40 cum and 26 recharge pits.
5. To grow 580 trees in the early stage before taking up of construction.
6. To carry out community recharge of bore wells in the vicinity of the site
7. To construct lead of drains till the natural drains/water body for handling excess water.
8. To explore the possibilities to have 100% battery backup instead of DG sets or to incorporate catalytic converter for DG sets with dual fuel option.
9. To install smart water meters with aerators for individual units to conserve water.
10. To incorporate additional dust control measures during construction.
11. To provide bellmouth entry/exist from the approach road.
12. 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.

317.1.3 Residential Apartment with Club House & Office Building Project at Singasandra Village, Begur Hobli, Bengaluru South Taluk, Bengaluru Urban District by M/s. VDB Infra and Realty Pvt. Ltd. – Online Proposal No.SIA/KA/INFRA2/488184/2024 (SEIAA 101 CON 2024)

About the project:

Sl.No		Particulars	Information Provided by PP
1		Name & Address of the Project Proponent	Mr. Srinivas A, Authorized Signatory M/s. VDB Infra and Realty Pvt. Ltd. No. 842/A, 100 feet Road, Indiranagar, Bengaluru – 560 038.
2		Name & Location of the Project	Residential Apartment with Club House & Office Building" Project at BBMP Khatha No.307/298/298/309/300/300/58/1A1A5, Sy. Nos. 58/1A2 & 58/1A1A5 of Singasandra Village, Begur Hobli, Bengaluru South Taluk, Bengaluru Urban District.
3		Type of Development	
	a.	Residential Apartment /Villas/Row Houses /Vertical Development / Office /IT/ITES/Mall/Hotel/ Hospital /other	Residential Apartment with Club House &Office Building" Project Category 8(a) as per EIA Notification 2006.
	b.	Residential Township/ Area Development Projects	NA
	c.	Zoning Regulations	As per the Revised Master Plan of BDA – 2015, the proposed project site is designated as Industrial zone with mutation corridor
4		New/~~Expansion/ Modification/ Renewal~~	New

5	Water Bodies/ Nalas in the vicinity of project site	There is a tertiary nala on western side of the project site at a distance of 23.76 m from the project site boundary.
6	Plot Area (Sqm)	6,461.16 Sqm
7	Built Up area (Sqm)	33,247.66Sqm
8	FAR Permissible Proposed	 3.25 3.247
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	2BF+GF+27UF & office building in 2BF+GF+2UF
10	Number of units/plots in case of Construction/Residential Township /Area Development Projects	367no.
11	Height Clearance	As per CCZM, the permissible height is 95.44 mtr. As per AAI NOC, the permissible height is 95 mtr and the maximum height of the proposed building is 91.85 mtr.
12	Project Cost (Rs. In Crores)	Rs. 71.50 Crores
13	Quantity of Excavated earth & its management	Total Excavated earth quantity – 18,741 m3 Backfilling –5,622 m3 Landscaping – 3,208 m3 Driveway– 5,222 m3 Site formation – 4,689 m3
14	Details of Land Use (Sqm)	
a.	Ground Coverage Area	957.09 Sqm
b.	Kharab Land	--
c.	Total Green belt on Mother Earth	2138.56 Sqm
d.	Internal Roads	2600.51 Sqm
e.	Paved area	
f.	Others Specify	Surface parking– 495.00 Sqm, Service Area – 270.00 Sqm
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
h.	Total	6,461.16 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	19.0 KLD
c.	Quantity of water for Domestic Purpose in KLD	4.5 KLD
d.	Waste water generation in KLD	4.0 KLD
e.	Treatment facility proposed and	Domestic sewage generated during construction

		scheme of disposal of treated water	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	139 KLD
			Flushing	71 KLD
			Total	210 KLD
	b.	Source of water	BWSSB	
	c.	Wastewater generation in KLD	189 KLD	
	d.	STP capacity	STP Capacity – 210 KLD (area 195 Sqm)	
	e.	Technology employed for Treatment	Sequential Batch Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	Excess 80 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 – 120 Cum Storm Water Pond – 100 Cum	
	b.	No's of Ground water recharge pits	22 Nos.	
17		Storm water management plan	Internal garland drains will be provided within the site in order to carry 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 eastern side of the site.	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Construction & Demolition waster and its management	Construction Waste: Construction debris generated from the whole project is 16 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 10 Kg/day. In which, 4 kg/day is the biodegradable waste & 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 as per norms	Quantity:	245 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:	368 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:	85 L/Annum (0.17 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:	6 Sqm
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity:	0.79 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:	6 Sqm
19	POWER			
	a.	Total Power Requirement - Operational Phase	2011 kVA	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	125 KVA – 1 No. & 500 KVA – 2 Nos. Stack Height ARL - 7 m	
	c.	Details of Fuel used for DG Set	248.85 l/running hr	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	5star rated transformer, Solar Lights, solar water heater, LED, high efficiency Pumps and motors in Lifts etc The overall energy savings is around 26.3 %	
20	PARKING			
	a.	Parking Requirement as per norms (ECS)	234 No. of cars. (provided – 234 No. of cars) (25% required residential carsi.e. 53 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
			Hosur Road MCW	Bengaluru City: D / C
				Hosur: D / C
			Hosur Road SR	Bengaluru City: C / B
				Hosur: C / B
	c.	Internal Road width (RoW)	67 m wide Hosur Road	
21		CER Activities	Renovation of class rooms & drinking water facility to Govt. Higher Primary School, Singasandra	
22		EMP (Details and capital cost & recurring cost)	Construction Phase: Capital Investment – 11.25 Lakh Construction – 55.87 Lakh Operation Phase: Capital investment – 284.50 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 presently the site is vacant land and the earlier old buildings were removed and debris of 8 tons has been stored within the site area, which will be handed over to the authorized vendors. The Committee noted the clarification given by the Proponent.

The proposal is for construction of residential development project in an area earmarked for industrial use in mutation corridor as per zoning regulation of BDA, for which Proponent informed that they had obtained conversion of land to residential & commercial use from DC.

The Committee during appraisal sought details regarding provisions made for harvesting rainwater in the proposed area. The Proponent informed the Committee that they have proposed rainwater storage structures of 120 cum & 100 cum capacities for runoff from rooftop, hardscape and landscape areas with 13 recharge pits within the site area.

Further the Committee informed the Proponent to incorporate tertiary treatment facility to treat waste water to potable standards, to install smart water meters with aerators for individual units 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 135 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

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

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

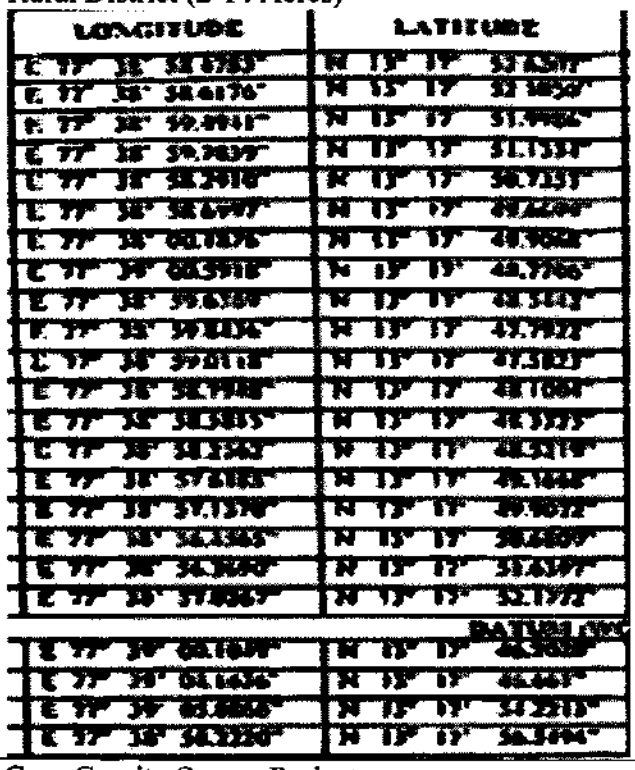
1. To incorporate tertiary treatment of the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide rainwater storage structure of 120 cum& 100 cum and 13 recharge pits.
5. To grow 135 trees in the early stage before taking up of construction.
6. To carry out community recharge of bore wells in the vicinity of the site
7. To construct lead of drains till the natural drains/water body for handling excess water.
8. To explore the possibilities to have 100% battery backup instead of DG sets or to incorporate catalytic converter for DG sets with dual fuel option.
9. To install smart water meters with aerators for individual units to conserve water.
10. To incorporate additional dust control measures during construction.
11. To provide bellmouth entry/exist from the approach road.
12. 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.

317.1.4 Grey Granite Quarry Project at Chikkagollahalli Village, Kundana Hobli, Devanahalli Taluk, Bangalore Rural District (2-14 Acres) by M/s. Koira Granites– Online Proposal No.SIA/KA/MIN/493269/2024 (SEIAA 151 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by Project Proponent
1	Name & Address of the Projects Proponent	M/s. Koira Granites
2	Name & Location of the Project	Grey Granite Quarry Project at Sy.Nos.78/1, 78/2, 79/1, 79/2 & 79/4 of Chikkagollahalli Village, Kundana Hobli, Devanahalli Taluk, Bangalore

		Rural District (2-14 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	2-14 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	36,000 tons/annum (Including waste)(Recovery – 18,000 Cum, Building Stone - 7,200 Cum, M Sand – 7,200 Cum, Waste – 3,600Cum)
8	Project Cost (Rs. In Crores)	Rs. 1.86 Crores (Rs.186 Lakhs)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	2,35,807 Cum (including waste)
10	Permitted Quantity Per Annum-Cu.m/ Ton	Recovery : 18,000 Cum/annum
11	CER Activities:	

Year	CER
1st	Providing Smart Room, Benches & Solar power panels to the GHPS School at Koira Village, Kundana Hobli, Devanahalli Taluk, Bengaluru District – 562164
2nd	The proponent proposes to distribute nursery plants at Koira Village & Strengthening of approach road
3rd	Rainwater harvesting pits to the GHPS school at Koira Village, Kundana Hobli, Devanahalli Taluk, Bengaluru District – 562164.
4th 5th	Health camp & Providing Vaccination in GHPS school at Koira Village, Kundana Hobli, Devanahalli Taluk, Bengaluru District – 562164.

12	EMP Budget	Rs. 29.73 lakhs (Capital Cost) & Rs. 8.78 lakhs (Recurring cost)
13	Quarry plan	09.08.2024
14	Cluster certificate	08.08.2024
15	Forest NoC	18.12.2023
16	Revenue NOC	27.12.2023

17	DTF	28.02.2024
18	JIR	05.02.2024

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that they have not carried out any quarrtying activity and as per DMG letter dated 17.08.2024 based on google images, workings had been prior to 27.02.2012 and no working is found afterwards. 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 2-14 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 290 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 2,35,807 cum (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 36,000 tons/annum (Including waste) (Recovery – 18,000 Cum, Building Stone 7,200 Cum, M Sand 7,200 Cum, Waste 3,600 Cum), 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 mainly for audiometry & spirometry from 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.

317.1.5 Expansion of Grey Granite Quarry Project at Kukkanduru Village, Karkala Taluk, Udupi District (3.20Acres) by M/s. Hare Krishna Minerals – Online Proposal No.SIA/KA/MIN/472969/2024 (SEIAA 155 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	M/s. Hare Krishna Minerals
2	Name & Location of the Project	Expansion of Grey Granite Quarry Project at Sy. Nos.447/3, 447/4, 447/5 of Kukkanduru Village, Karkala Taluk, Udupi District (3.20 Acres)

		N13° 14' 42.9" E74° 58' 18.2" N13° 14' 45.8" E74° 58' 17.8" N13° 14' 47.7" E74° 58' 22.6" N13° 14' 45.1" E74° 58' 22.9"
3	Type Of Mineral	Grey Granite Quarry
4	New/Expansion/Modification/ Renewal	Expansion
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta
6	Area in Acres	3.20 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	4,167Cum/annum (including waste) (Recovery – 2,500 Cum, Ornamental Waste – 1,667 Cum)
8	Project Cost (Rs. In Crores)	Rs. 0.40 Crores (Rs.40 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	3,03,061 Cum (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	2,500 Cum/ Annum (recovery)
11	CER Activities: Propose take up additional plantation of 500 No. of on either side of the approach road from quarry location to Kukkanduru Village Road.	
12	EMP Budget	Rs.12.25 Lakhs (Capital Cost) & Rs. 4.01 Lakhs (Recurring cost)
13	CCR from MS, KSPCB	12.06.2024
14	Quarry plan	19.02.2024
15	Cluster Certificate	02.03.2024
16	Audit Report	19.08.2024
17	Forest NoC	14.07.2017
18	Notification	30.08.2019

The proposal is for expansion of grey granite quarry, for which EC was issued earlier by SEIAA on 20.08.2019 and lease was granted on 30.08.2019 with QL 426. The Proponent submitted an audit report till 2023-24 certified by DMG dated 19.08.2024 and CCR from MoEF&CC dated 12.06.2024, informing about few non-compliance against EC conditions.

The Committee noted the CCR issued by MoEF&CC with non-compliances for EC condition especially with regard to construction of retaning wall, improvements to approach road, rainwater harvesting provision, details of CSR activities undertaken, precautionary measure for preventing pollution of near by water bodies etc.., for which the Proponent informed that they had submitted action plan for compliance to MoEF&CC through mail dated 23.07.2024.

The Committee after discussion decided to defer the proposal and informed the Proponent to comply with the non-compliances for EC conditions and to obtain revised CCR from MoEF&CC for the compliances undertaken.

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

317.1.6 Ordinary Sand Quarry Project at f Budihal S K Village, Ilkal Taluk, Bagalkot District (7-20 Acres) (3.035 Ha) by Sri Vikram Sajjan S/o Sri Chandrashekhar – Online Proposal No.SIA/KA/MIN/493426/2024 (SEIAA 153 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri Vikram Sajjan S/o Sri Chandrashekhar
2	Name & Location of the Project	Ordinary Sand Quarry Project at Sy.Nos. 105, 106, 107, 111, 112/1+2B, 112/1+2K & 112/1+2/D of Budihal S K Village, Ilkal Taluk, Bagalkot District (7-20 Acres) (3.035 Ha)

N16°04'04.28711"	E76°10'25.27353"
N16°04'05.39156"	E76°10'24.20230"
N16°04'11.45939"	E76°10'30.32120"
N16°04'06.42217"	E76°10'33.80142"
N16°04'07.23845"	E76°10'33.02971"
N16°04'08.13352"	E76°10'31.50808"
N16°04'06.41546"	E76°10'29.89750"
N16°04'05.38978"	E76°10'31.69655"
N16°04'03.35088"	E76°10'29.37224"
N16°04'05.18127"	E76°10'27.29765"

3	Type Of Mineral	Ordinary Sand Quarry
4	New / Expansion / Modification / Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta
6	Area in Acres	7-20 Acres (3.035 Ha)
7	Annual Production (Metric Ton / Cum) Per Annum	50,000 Tons for 1st year, 36,135.5 Tones for 2 years (including waste)
8	Project Cost (Rs. In Crores)	Rs. 1.25 Crores (Rs. 125 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	1,22,271 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	50,000 Tons for 1st year, 36,135.5 Tones for 2 years (including waste)
11	CER Activities:	

Year	Corporate Environmental Responsibility (CER)
1st	Providing solar power panels to common public places to the GHPS school at Budihal S K Village.
2nd	Rain water harvesting pits to the GHPS school at Budihal S K Village.
3rd	The proponent proposes to distribute nursery plants at Budihal S K Village & Strengthening of approach road

12	EMP Budget	Rs 16.08 Lakhs (Capital Cost) & Rs. 7.55 lakhs (Recurring cost)

13	Forest NOC	06.09.2023
14	Cluster certificate	01.07.2024
15	Revenue NOC	05.08.2024
16	DTF	09.02.2024
17	Approved by Quarry Plan	02.07.2024
18	JIR	13.10.2023

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.

317.1.7 Grey Granite Quarry Project at Byadarahalli Village, Devanahalli Taluk, Bangalore Rural District (4-00 Acres) by M/s. Karagadamma Enterprises – Online Proposal No.SIA/KA/MIN/493544/2024 (SEIAA 154 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	M/s. Karagadamma Enterprises
2	Name & Location of the Project	Grey Granite Quarry Project at Sy.No.212 of Byadarahalli Village, Devanahalli Taluk, Bangalore Rural District (4-00 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	4-00 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	37,879 Cum/annum (including waste) (Recovery - 18,940 Cum, Building Stone 7,576 Cum, ornamental waste 7,576 and waste of 3,787 Cum)
8	Project Cost (Rs. In Crores)	Rs. 1.50 Crores (Rs.150 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	4,43,360 Cum (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	18,940 Cum/annum - Recovery
11	CER Activities:	

Year	CER
1st	Providing Smart Room, Benches, Uniform & Solar power panels to the GLPS School at K Hosuru Village, Koira Post, Devanahalli Taluk, Bengaluru District
2nd	The proponent proposes to distribute nursery plants at K Hosuru Village, Koira Post, Devanahalli Taluk, Bengaluru District
3rd	Rainwater harvesting pits to the GLPS school at K Hosuru Village, Koira Post, Devanahalli Taluk, Bengaluru District

	4th 5th	Health camp in GLPS school at K Hosuru Village, Koira Post, Devanahalli Taluk, Bengaluru District
12	EMP Budget	Rs. 37.29 lakhs (Capital Cost) & Rs. 9.30 lakhs (Recurring cost)
13	Quarry plan	02.07.2024
14	Cluster certificate	27.06.2024
15	Forest NoC	12.12.2023
16	Revenue NOC	07.02.2024
17	DTF	28.02.2024
18	JSR	05.02.2024
19	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 they have not carried out any quarrying activity and as per DMG letter dated 17.08.2024 based on google images about 267.6 Tons has been removed prior to 27.02.2012 and no working is found after words. The Committee noted the clarification given by the Proponent.

As per the cluster sketch there are another 3 leases in a radius of 500 mtr from the said lease, out of which 1 lease is exempted from cluster as lease was granted prior to 09.09.2013 and total area of the remaining leases including the applied lease is 9-05 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 497 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 4,43,360 Cum (including waste) and estimated the life of mine to be 12 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 37,879 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 mainly for audiometry & spirometry from 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.

317.1.8 Building Stone Quarry Project at Nagarala Village, Kushtagi Taluk, Koppal District (4-20 Acres) by M/s. Srinivasa Aggrigates – Online Proposal No.SIA/KA/MIN/481392/2024 (SEIAA 156 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	M/s. Srinivasa Aggrigates
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.25/2 of Nagarala Village, Kushtagi Taluk, Koppal District (4-20 Acres) N 15°42'39.6" to E 76°15'29.1" N 15°42'27.5" to E 76°15'27.1" N 15°42'33.9" to E 76°15'20.4" N 15°42'29.8" to E 76°15'19.6" N 15°42'30.2" to E 76°15'13.9" N 15°42'34.1" to E 76°15'16.4"
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	4-20 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	80,005 Tones/annum for 1 year, 86,104 Tones/annum for 2nd year, 1,00,081 Tones/annum for 3rd to 5th years (including waste)
8	Project Cost (Rs. In Crores)	Rs. 34.50 Crores (Rs.3450 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	10,68,416Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	80,005 Tones/annum for 1 year, 86,104 Tones/annum for 2nd year, 1,00,081 Tones/annum for 3rd to 5th years (including waste)
11	**CER Activities:** To provide infrastructure and drinkingwater facility in Nagarala village and nearby government school.	
12	EMP Budget	Rs. 100 lakhs (Capital Cost) & Rs. 25 lakhs (Recurring cost)
13	Forest NOC	09.02.2023
14	Quarry plan	25.07.2024
15	Cluster certificate	06.06.2024
16	Notification	25.07.2024
17	Revenue	25.07.2023
18	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 as per DMG letter dated 02.04.2024 and 20.08.2024, only a small pit has been excavated before recommendation of lease area and have illegally removed about 292 MT of murrum and had paid penalty of Rs. 0.99 Lakhs to DMG and further submitted another letter from DMG dated 17.09.2024, stating that as per the google timeline images the removal of murrum was prior to the purchase of the said area by Proponent and no mining activities has been carried out and justified that the proposal does not attract violation. The Committee noted the clarification given by 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 4-20 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 1500 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 10,68,416 Tones (including waste) and estimated the life of mine to be 11 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 80,005 Tones/annum for 1 year, 86,104 Tones/annum for 2nd year, 1,00,081 Tones/annum for 3rd to 5th years (including waste), with following consideration,

1. To asphalt the approach road to the quarry and the road connecting crusher 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 mainly for audiometry & spirometry from the nearby Hospital.
4. To take necessary measures to arrest noise and air pollution from the quarry area.
5. To provide metal sheet fencing around the working 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.

317.1.9 Building Stone Quarry Project at Chennur (K) Village, Shahapur Taluk, Yadgir District (1.619 Ha) (4-00 Acres) by Sri Iranna S/o Siddappa Aski – Online Proposal No.SIA/KA/MIN/492333/2024 (SEIAA 152 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri Iranna S/o Siddappa Aski
2	Name & Location of the Project	Building Stone Quarry Project at Sy.Nos.122 POT 2/2 of Chennur (K) Village, Shahapur Taluk, Yadgir District (1.619 Ha) (4-00 Acres) N16°37'19.1" E76°42'28.8" N16°37'19.9" E76°42'31.8" N16°37'16.4" E76°42'33.6" N16°37'14.5" E76°42'28.4"
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	4-00 Acres (1.619 Ha)
7	Annual Production (Metric Ton / Cum) Per Annum	84,211 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 1.00 Crores (Rs.100 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	10,00,000 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	80,000 Tones / Annum (excluding waste)
11	**CER Activities:** To grow additional plantation 500 No. on either side of the approach road from quarry location and to provide necessary infrastructure facilities to nearby Govt. School/ Hospitals.	
12	EMP Budget	Rs. 21.70 lakhs (Capital Cost) & Rs. 14.90 lakhs (Recurring cost)
13	Forest NoC	25.01.2024
14	Quarry plan	01.08.2024
15	Cluster certificate	07.08.2024
16	Notification	06.07.2024
17	Revenue	24.01.2024

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 proposed area is fresh land and no mining has been carried out by Proponent till date. The Committee noted the clarification given by 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 4-00 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 300 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 10,00,000 Tones (including waste) and estimated the life of mine to be 12 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production 84,211 Tones/ Annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry and the road connecting crusher 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 mainly for audiometry & spirometry from the nearby Hospital.
4. To take necessary measures to arrest noise and air pollution from the quarry area.
5. To provide metal sheet fencing around the working 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.

317.1.10 Ordinary Sand Quarry Project at Menasagi Village, Ron Taluk & Gadag District (7-12 Acre) by Sri Suresh Gurupadappa Gurammanavar– Online Proposal No.SIA/KA/MIN/466457/2024 (SEIAA 157 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri Suresh Gurupadappa Gurammanavar
2	Name & Location of the Project	Ordinary Sand Quarry Project at Sy.Nos.334/9, 334/10, 334/12 of Menasagi Village, Ron Taluk & Gadag District (7-12 Acre) N15°49'49.637" E75°34'32.063" N15°49'49.939" E75°34'30.000" N15°49'36.871" E75°34'24.376" N15°49'36.252" E75°34'26.937"
3	Type Of Mineral	Ordinary Sand Quarry
4	New / Expansion / Modification / Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta
6	Area in Acres	7-12 Acre
7	Annual Production (Metric Ton / Cum) Per Annum	23,191.2 Tons/annum and Top Soil – 13,483 Tons (including waste)
8	Project Cost (Rs. In Crores)	Rs. 1.50 Crores (Rs. 150 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	1,15,956 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	23,191.2 Tons/annum
11	CER Activities: Propose take up 500 No. of additional plantation on either side of the Plantation all along the safety zone area to Menasagi Village Road	
12	EMP Budget	Rs.11.50 Lakhs (Capital Cost) and Rs.8.50 Lakhs (Recurring cost)
13	Forest NOC	23.03.2022
14	Cluster certificate	10.08.2024
15	Revenue NOC	14.07.2023
16	DTF	24.02.2023
17	Approved by Quarry Plan	06.10.2023
18	C & I Notification	06.03.2024

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 fresh land and and no mining has been carried out by Proponent. The Committee noted the clarification.

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 7-12 Acres and hence the project is categorized as B2. As per DMG letter dated 28.05.2024, there is no river sand mining in a radius of 5 km from the proposed site area.

There is an existing cart track road to a length of 350 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 1,15,956 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 23,191 Tons/annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry as per IRC norms.
2. To grow trees all along the approach road& buffer zone during the first year of operation.
3. To carry out regular health checkup for the workers mainly for audiometry & spirometry from the near by 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 filling during mine closure.

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

317.1.11 Renewal of Building Stone Quarry Project at Janalakunte Village, Chikkaballapura Taluk & District (2-00 Acres) by Sri Thirumalappa – Online Proposal No.SIA/KA/MIN/470972/2024 (SEIAA 159 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri Thirumalappa
2	Name & Location of the Project	Renewal of Building Stone Quarry Project at Sy.No.11 of Janalakunte Village, Chikkaballapura Taluk & District (2-00 Acres) Latitude: N 13° 36'57.6" / N 13° 36'56.5" / N 13° 36'53.6" / N 13° 36'54.4" Longitude: E 77° 45'46.8" / E 77° 45'49.3" / E 77° 45'48.7" / E 77° 45'46.2"
3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/ Renewal	Renewal
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government
6	Area in Acres	2-00 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	53,652 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.25 Crores (Rs.25 Lakhs)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	2,79,214Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	52,579 Tones / Annum (excluding waste)
11	CER Activities: Propose to provide solar street unit to Janalakunte village	

12	EMP Budget	Rs. 10.70 lakhs (Capital Cost) & Rs. 3.42 lakhs (Recurring cost)
13	Forest NOC	23.08.2024
14	Quarry plan	16.07.2020
15	Cluster Certificate	08.08.2023
16	Audit Report	26.08.2024

The proposal is for renewal of a lease which was granted earlier on 26.05.2006, with QL No. 791 which has been non-operational since 2012-13 and justified the same as per the audit report issued by DMG dated 26.08.2024.

For the existing leases, based on the applicability of cut off dates as per clause 3 of 233rd SEIAA meeting dated 18.04.2023, Proponent informed that they had not carried out any mining activity after 2012-13 till date and no environmental damage has been caused and requested the Committee not to consider the proposal under violation category.

The Committee after discussion, decided to consider the proposal based on the DMG audit report, informing that no mining activity had been carried out since 2012-13 till date, implying that there was no environmental damage/pollution and opined that as an environmental Committee, violation should be ascertained based on the damage caused to the environment and not on the procedural lapses and decided to request SEIAA to consider the deliberations of the Committee in this proposal, while handling violation cases in respect of existing lease as there is no requirement for Damage Assessment, Remedial Plan and Community Augumentation Plan.

There is an existing cart track road to a length of 740 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 2,79,214 Tones (including waste) and estimated the life of mine to be 6 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 53,652 Tons / Annum (including waste), with following consideration,

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

317.1.12 Ordinary Sand Quarry Project at Govinakoppa Village, Badami Taluk, Bagalkot District (05-13 Acres) by Sri Sharanabasava V. Nagur– Online Proposal No.SIA/KA/MIN/492711/2024 (SEIAA 379 MIN 2023)

About the project:

<table>
<tr><th>Sl.No.</th><th>Particulars</th><th>Information Provided by PP</th></tr>
<tr><td>1</td><td>Name & Address of the Projects Proponent</td><td>Sri Sharanabasava V. Nagur</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>Ordinary Sand Quarry Project at Sy. Nos.60/1, 60/2, 60/3, 61/3 & 61/4 in Govinakoppa Village, Badami Taluk, Bagalkot District (05-13 Acres)
<table><tr><td>N 15° 51' 54.80"</td><td>E 75° 30' 19.80"</td></tr><tr><td>N 15° 51' 54.23"</td><td>E 75° 30' 22.13"</td></tr><tr><td>N 15° 51' 44.80"</td><td>E 75° 30' 19.64"</td></tr><tr><td>N 15° 51' 47.91"</td><td>E 75° 30' 17.81"</td></tr></table></td></tr>
<tr><td>3</td><td>Type Of Mineral</td><td>Ordinary Sand Quarry</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>05-13 Acres</td></tr>
<tr><td>7</td><td>Annual Production (Metric Ton / Cum) Per Annum</td><td>30,000 Tons/annum for 1st year, 20,000 Tons/annum for 2nd year, 15,919 Tons/annum for 3rd year (including waste)</td></tr>
<tr><td>8</td><td>Project Cost (Rs. In Crores)</td><td>Rs. 1.36 Crores (Rs. 136 Lakhs)</td></tr>
<tr><td>9</td><td>Proved Quantity of mine/ Quarry- Cu.m / Ton</td><td>65,919 Tones (including waste)</td></tr>
<tr><td>10</td><td>Permitted Quantity Per Annum - Cu.m / Ton</td><td>30,000 Tons/annum for 1st year, 20,000 Tons/annum for 2nd year, 15,919 Tons/annum for 3rd year (including waste)</td></tr>
<tr><td>11</td><td>CER Activities:<table><tr><th>Year</th><th>CER</th></tr><tr><td>1st</td><td>Providing Solar power panels to the GHPS School at Govinakoppa Village</td></tr><tr><td>2nd
3rd</td><td>Rainwater harvesting pits to the GHPS School at Govinakoppa Village</td></tr></table></td><td></td></tr>
<tr><td>12</td><td>EMP Budget</td><td>Rs. 25.20 Lakhs (Capital Cost) and Rs. 8.14 Lakhs (Recurring cost)</td></tr>
<tr><td>13</td><td>Forest NOC</td><td>11.07.2022</td></tr>
<tr><td>14</td><td>Cluster certificate</td><td>31.01.2023</td></tr>
<tr><td>15</td><td>Revenue NOC</td><td>29.06.2022</td></tr>
<tr><td>16</td><td>DTF</td><td>20.12.2022</td></tr>
<tr><td>17</td><td>Approved by Quarry Plan</td><td>06.02.2023</td></tr>
<tr><td>18</td><td>PH</td><td>15.03.2024</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 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 ordinary sand quarry for which SEIAA had issued ToR on 08.12.2023 and public hearing was conducted on 15.03.2024, where opinion/requests of six people had been recorded in public hearing report.As per DMG letter dated 11.01.2023, 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 420 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 65,919 ton (including waste) and estimated the life of mine to be 3 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for maximum annual production of 30,000 Tons/annum for 1st year, 20,000 Tons/annum for 2nd year, 15,919 Tons/annum for 3rd 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.
7. To adhere to the compliance given in response to the opinion of public addressed during public hearing.
8. To use top soil for back filling during mine closure.

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

317.1.13 Building Stone Quarry Project at Bidarakere Kavalu Village, Madhugiri Taluk, Tumkur District (7-20 Acres) by Sri A Shankar Reddy - Online Proposal No.SIA/KA/MIN/489707/2024(SEIAA 150 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri A Shankar Reddy
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.2 of Bidarakere Kavalu Village, Madhugiri Taluk, Tumkur District (7-20 Acres)

		N13° 53' 54.3079" E77° 14' 14.8195" N13° 53' 58.2016" E77° 14' 12.8050" N13° 53' 61.5673" E77° 14' 09.0728" N13° 55' 46.7355" E77° 14' 15.3520" N13° 53' 47.4135" E77° 14' 14.9847" N13° 53' 48.7952" E77° 14' 13.9564" N13° 53' 50.2421" E77° 14' 15.9872" N13° 53' 51.3976" E77° 14' 14.3610" N13° 53' 51.9321" E77° 14' 15.4570"
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	7-20 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	1,83,673 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 1.53 Crores (Rs. 153 Lakhs)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	55,80,802 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	1,80,000 Tones / Annum (excluding waste)
11	CER Activities: Propose to provide Rainwater harvesting and Health camps of Government Lower Primary School (GLPS) Chandrabhavi village.	
12	EMP Budget	Rs. 26.33 Lakhs (Capital Cost) & Rs. 15.62 Lakhs (Recurring cost)
13	Forest NOC	18.08.2023
14	Quarry plan	22.07.2024
15	Cluster certificate	24.07.2024
16	Notification	20.08.2011
17	JIR	04.10.2023

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

Proponent submitted clarification from DMG vide letter dated 21.08.2024, informing that due to overlap of 20Guntas found during DGPS Survey, 20 Guntas was removed from the notified area of 8-00Acres and hence the proposal is submitted for 7-20 Acres.

As per the cluster sketch there is one lease in a radius of 500 mtr from the said lease and the said lease is exempted from cluster as EC was granted prior to 15.01.2016 and the area of the applied lease is 7-20 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 300 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 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 55,80,802 Tones(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 1,83,673 Tones/ Annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry and the road connecting crusher 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 mainly for audiometry & spirometry from the nearby Hospital.
4. To take necessary measures to arrest noise and air pollution from the quarry area.
5. To provide metal sheet fencing around the working 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.

317.1.14 Building Stone (M-Sand) Project at Chinchalakatti Village, Badami Taluk, Bagalkot District (9-23 Acres) by Sri Narayan R. Hadimani - Online Proposal No.SIA/KA/MIN/466072/2024 (SEIAA 149 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri Narayan R. Hadimani
2	Name & Location of the Project	Building Stone (M-Sand) Project at Sy.Nos.76/1 (P) & 76/3 of Chinchalakatti Village, Badami Taluk, Bagalkot District (9-23 Acres)
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	9-23 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	4,21,052 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 1.69 Crores (Rs.169 Lakhs)

Latitude	Longitude
N 16° 00' 49.2"	E 75° 27' 37.9"
N 16° 00' 44.7"	E 75° 27' 37.9"
N 16° 00' 44.9"	E 75° 27' 34.2"
N 16° 00' 44.4"	E 75° 27' 27.8"
N 16° 00' 47.0"	E 75° 27' 26.2"
N 16° 00' 48.3"	E 75° 27' 29.5"

9	Proved Quantity of mine/ Quarry- Cu.m / Ton	22,01,885 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	4,00,000 Tones / Annum (excluding waste)
11	CER Activities:	

Year	Corporate Environmental Responsibility (CER)
1st	Providing solar power panels to common public places to the GLPS school at Chinchalakatti Village
2nd	Rain water harvesting pits to GLPS at Chinchalakatti Village
3rd	Conducting E-waste drive campaigns at Chinchalakatti 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. 42.84 lakhs (Capital Cost) & Rs.13.04 lakhs (Recurring cost)
13	Forest NOC	19.03.2019
14	Quarry plan	17.02.2020
15	Cluster Certificate	28.07.2024
16	Notification	21.12.2019
17	Revenue	01.03.2019

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.

317.1.15 Building Stone Quarry Project at Sy.No.50 of Kannuru Village, Bengaluru East Taluk, Bengaluru Urban District (0-35 Acres) by Sri Rafiq Ahamad - Online Proposal No.SIA/KA/MIN/490167/2024 (SEIAA 165 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri Rafiq Ahamad
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.50 of Kannuru Village, Bengaluru East Taluk, Bengaluru Urban District (0-35 Acres)

Points	Latitude	Longitude
X	N 13° 06.389'	E 77° 39.425'
Y	N 13° 06.113'	E 77° 39.363'
Z	N 13° 06.084'	E 77° 39.355'
A	N 13° 06.498'	E 77° 39.178'
B	N 13° 06.472'	E 77° 39.200'
C	N 13° 06.456'	E 77° 39.167'
D	N 13° 06.481'	E 77° 39.149'

3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/ Renewal	Renewal
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government
6	Area in Acres	0-35 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	36,557 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.20 Crores (Rs.20 Lakhs)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	2,18,027 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	35,826 Tones / Annum (excluding waste)
11	CER Activities: Propose take up 50 No. of additional plantation on either side of the approach road from quarry location to Kannuru Village Road	
12	EMP Budget	Rs. 7.10 lakhs (Capital Cost) & Rs. 1.78 lakhs (Recurring cost)
13	Forest NOC	04.12.2023
14	Quarry plan	13.12.2023
15	Cluster certificate	30.12.2023
16	Notification	19.06.1997
17	Audit Report	29.08.2024

The proposal is for renewal of a lease which was granted earlier on 28.06.2003, with QL No.292 which has been non-operational since 2011 till date and justified the same as per the audit report issued by DMG dated 29.08.2024.

For the existing leases, based on the applicability of cut off dates as per clause 3 of 233rd SEIAA meeting dated 18.04.2023, Proponent informed that they had not carried out any mining activity after 2011 till date and no environmental damage has been caused and requested the Committee not to consider the proposal under violation category.

The Committee after discussion, decided to consider the proposal based on the DMG audit report, informing that no mining activity had been carried out since 2011 till date, implying that there was no environmental damage/pollution and opined that as an environmental Committee, violation should be ascertained based on the damage caused to the environment and not on the procedural lapses and decided to request SEIAA to consider the deliberations of the Committee in this proposal, while handling violation cases in respect of existing lease as there is no requirement for Damage Assessment, Remedial Plan and Community Augumentation Plan.

There is an existing cart track road to a length of 670 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 2,18,027 Tones (including waste) and estimated the life of mine to be 6 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 36,557 Tons / Annum (including waste), with following consideration,

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

317.1.16 Black Granite Quarry Project at Sy.No.135 of Chowdahalli Village, Chamarajanagara Taluk & Chamarajanagara District (4-00 Acres) by Sri A. Sreenath - Online Proposal No. SIA/KA/MIN/493710/2024 (SEIAA 164 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri A. Sreenath
2	Name & Location of the Project	Black Granite Quarry Project at Sy. No. 135 of Chowdahalli Village, Chamarajanagara Taluk & Chamarajanagara District (4-00 Acres)
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	4-00 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	13,716 Tons /annum(including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.45 Crores (Rs.45 Lakhs)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	10,09,008 Tons(including waste)

Points	Latitude	Longitude
A	11° 48' 12.4319"N	76° 52' 36.2914"E
B	11° 48' 08.0342"N	76° 52' 35.0638"E
C	11° 48' 06.9603"N	76° 52' 38.1650"E
D	11° 48' 09.2402"N	76° 52' 39.1720"E
E	11° 48' 09.0936"N	76° 52' 39.8036"E
F	11° 48' 10.5208"N	76° 52' 40.2437"E
G	11° 48' 10.8052"N	76° 52' 39.5902"E
H	11° 48' 11.3612"N	76° 52' 39.7825"E

10	Permitted Quantity Per Annum - Cu.m / Ton	4,800 Tons/annum (recovery)
11	CER Activities: To grow 400 No. of additional plantation on either side of the approach road from quarry location to Chowdahalli Village Road	
12	EMP Budget	Rs. 13.90 lakhs (Capital Cost) & Rs.4.76 lakhs (Recurring cost)
13	Quarry plan	08.07.2024
14	Cluster certificate	12.07.2024
15	Forest NoC	16.01.2023
16	Revenue NOC	07.03.2022
17	Notification	21.06.2024

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.

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

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri R. Balaramudu
2	Name & Location of the Project	White Quartz, Building Stone & Murram Project at Sy. Nos. 81/1, 81/2, 85/1 Part II, 85/2a, 85/2b, 85/3 & 85/4 of Appalapura Village, Sandur Taluk, Ballari District (6-10 Acres)
3	Type Of Mineral	White Quartz, Building Stone & Murram
4	New/Expansion/Modification/Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta Land
6	Area in Acres	6-10 Acres

N 15° 06' 20.7982"	E 76° 44' 05.2624"
N 15° 06' 18.3688"	E 76° 44' 09.6358"
N 15° 06' 17.6171"	E 76° 44' 09.1079"
N 15° 06' 18.0420"	E 76° 44' 06.6505"
N 15° 06' 14.2581"	E 76° 44' 06.7226"
N 15° 06' 16.1556"	E 76° 44' 09.4339"
N 15° 06' 17.7345"	E 76° 44' 10.7805"
N 15° 06' 21.1292"	E 76° 44' 11.3844"
N 15° 06' 23.2108"	E 76° 44' 07.9760"
N 15° 06' 21.9052"	E 76° 44' 07.6711"
N 15° 06' 22.9419"	E 76° 44' 05.7567"

7	Annual Production (Metric Ton / Cum) Per Annum	White Quartz 25,000 Tons/ Annum + Building Stone 15,000 Tons/ Annum + Murram 10,000 Tons/ Annum + Waste 3,253 Tons/ Annum(including waste)
8	Project Cost (Rs. In Crores)	Rs. 1.42 Crores (Rs. 142 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	4,36,425 Tones(including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	White Quartz 25,000 Tons/ Annum + Building Stone 15,000 Tons/ Annum + Murram 10,000 Tones / Annum (excluding waste)
11	**CER Activities:**	

Year	Corporate Environmental Responsibility (CER)
1st	The proponent proposes to distribute nursery plants at Appalapura village and Strengthening of approach Road
2nd	Rain water harvesting pits to GHPS at Appalapura village
3rd	Solar Power Panels in Patta Higher primary school at Appalapura village
4th	Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages
5th	Health camp in nearby community places

12	EMP Budget	Rs.41.38 lakhs (Capital Cost) & Rs. 8.25 lakhs (Recurring cost)
13	Notification	16.11.2023
14	Forest NOC	08.08.2022
15	Quarry plan	09.02.2024
16	Revenue NOC	23.06.2022
17	Cluster Certificate	27.03.2024
18	JSR	04.06.2022

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

In the present meeting the Committee initially sought clarification with respect to the blasting proposed in the present proposal. The Proponent informed the Committee that part of the applied area is without blasting and remaning area is with blasting and justified the same with reference to the Notification sketch. But the Committee noted that the there was no proper demarcation of areas between blasting and non-blasting in the approved mining plan and its attachments. Hence, the Committee after discussion decided to defer the proposal for want of clarification for the areas reserved for blasting and non-blasting in the approved quarry plan from DMG.

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

317.1.18 Formation of Bavanahalli Industrial Area Project at Bavanahalli Village, Kasaba Hobli, Malur Taluk, Kolar District by KIADB - Online Proposal No.SIA/KA/INFRA1/478581/2024 (SEIAA 21 IND 2023)

About the Project:-

Sl.No.	Particulars		Information Provided by PP
1	Name & Address of the Project Proponent		Authorized Name:Adarsh.K Designation:Executive Engineer-2 KIADB-Head Office, No.# 49, 4th & 5th Floors, 'East Wing', Khanija Bhavan, Race Course Road, Bengaluru
2	Name & Location of the Project		Formation of Bavanahalli Industrial area at Bavanahalli village, Kasabahobli, Malur taluk, Kolar district, Karnataka.
3	Project Site& Type of project		Category 7(c) as per EIA Notification 2006(B1)
4	Environmental Sensitivity		
	a	Distance From nearest Lake/ River/Nala	Doddakere is about 5.91 km in SW direction
	b	Distance from Protected area notified under wildlife protection act	None within 10 km study area.
	c	whether located in critically /severally polluted area as per the CPCB norms	None within 10 km study area.
5	New/Expansion/Modification/Product mix change		Green Field Project
6	Plot Area (Sqm)		722.05 Acres (292.2 ha)
7	Built Up area (Sqm)		-
8	Number of plots		Total 171 nos. of Industrial & 4 Nos. of Commercial Plots and Civic Amenities.
8	Component of developments and type of Industries		Red, Green & orange as per the CPCB classification of industries.
9	Project cost (Rs. In Crores)		1184 Crores
10	Details of Land Use (Acres)		
	a	Industrial plot area	461.34
	b	Commercial plot area	8.02
	c	Amenities plot area	16.61
	d	Utility plot area	20.51
	e	Greenbelt / Buffer and Park	108.59
	e	Parking	38.06
	f	Internal Road along with 2m wide greenbelt buffer	69.68
	g	Others	-
		Total	722.05 Acres
11	WATER POLLUTION during construction & operation		
	I		
	a.	Source of water	TTP/Nearby river/water body
	b.	Total Requirement of Water KLD	4.68 MLD (1.394 MLD Fresh Water+ 3.286 MLD Treated water)
	c.	Requirement of water for industrial purpose /utilities/ /production in KLD.	3.452 MLD

	d.	Requirement of water for Domestic purpose /commercial purpose in KLD	1.228 MLD
	e.	Waste water generation in KLD.	3.5 MLD (1.0 domestic +2.5 MLD industrial)
	f.	CSTP & CETP capacity MLD	CETP: 3.5 MLD capacity, CSTP: 1.0 MLD capacity
	g.	Technology employed for Treatment	SBR, MBR etc.,
	h.	Scheme of disposal of excess treated water if any	Treated water will be recycled to inside the industrial area.
12	AIRPOLLUTION during construction & operation		
	a.	Sources of Air pollution	DG sets, Boilers, others etc.,
	b.	Composition of Emissions	PM10, PM2.5, SO2, NOx, CO etc.,
	c.	Air pollution control measures proposed and Technology employed	Adequate stack height will be provided as per the CPCB and KSPCB guidelines and proper air pollution control measures and mitigation measures will be provided by individual unit.
13	NOISE POLLUTION during construction & operation		
	a.	Sources of Noise pollution	The noise generating equipment, machinery and vehicles etc.,
	b.	Expected levels of Noise pollution	The standards for occupational exposures - tolerable level is 90 dB(A) for 8 hour exposure. This level will be achieved inside work area through use of properly maintained machines, pumps, compressors and vehicles. It is expected that noise level at the project boundary will be within the prescribed norms of CPCB during operation of the proposed project and no significant impact on noise environment is expected.
	c.	Noise pollution control measures proposed	Regular repair & service of the pumps and machinery to minimize the noise generation. Signage for no honking will be displayed. Green belt will be developed around the boundary wall of industrial area which will act as noise buffer. Noise barrier will be installed wherever possible and required
14	WASTE MANAGEMENT		
	Construction phase		Approximately 250 kg of solid waste will be generated from the construction site out of which 150 kg/day of biodegradable waste will be collected and disposed of in a fenced composting pit at the site and covered properly after completion of construction activity, remaining 100 kg/day of non-biodegradable waste will be disposed of through the authorised agency in the area.

	Operational Phase	Waste generated to be handled through Authorized Vendors.
15	POWER	
	a. Total Power Requirement in the Operational Phase with source.	31000 KVA Source: KPTCL
	b. Numbers of DG set and capacity in KVA for Stand by Power Supply.	DG: 500 KVA
	c. Details of Fuel used with purpose such as boilers, DG, Furnace, TFFI, Incinerator etc..,	Diesel/Agro based fuels/LDO/coal etc.,

16 CER Activities:

Sl.No	CER Activity
1. Enhancement of jobs & training facilities	
	Training center & job awareness camp to be facilitated in nearby villages.
	Women empowerment training programs
2. Educational and Literacy Enhancement	
	Providing basic infra structure facility like toilets & Drinking water facility in nearby Govt. schools
	Solar panel installation and energy efficient lights to class room and common areas, etc., in nearby Govt. schools
	Providing smart class facility by providing like computers, printers, projectors etc., in nearby Govt. schools
3. Environmental Protection	
	Roadside Plantation & Sapling Distribution, Participation in social forestry and Panchayat land
	Provide solar street lights in village roads

17 EMP Details with cost
Construction phase
Operation phase.

S.No.	Particulars	Capital Cost (Rs. in Cr)	Annual Recurring Cost (Rs. in Cr)
1.	Pollution Control during construction stage	0.5	0.10
2.	Occupational Health & Safety of workers during construction phase	0.25	0.10
3.	Water Supply & Drainage system, Storm water management	0.8	-
4.	Solar streetlight with in project area	0.2	-
5.	Provision for STP and CETP	6.5	-
6.	Provision of Solid waste management	0.4	0.20
7.	Monitoring budget	0.4	0.15
8.	CER budget	1.95	-
10.	Greenbelt development and Maintenance	2.2	0.353
Total		13.20	0.903

This project was considered during 315th SEAC meeting and the Committee had deferred the proposal as the Committee noted the discrepancy in the EIA report submitted by Proponent.
In the present meeting the Proponent submitted the following point wise compliance for the observation made by the Committee,

1. *Details of Source of fresh water for the proposed project and tertiary treatment of recycled water.*

   Reply : Proponent informed that water source for the industrial purpose shall be sourced from tertiary treatment plant which is situated at Narsapur industrial area established by KIADB. For drinking purpose water shall be sourced from private tanker by the industries.

2. *Detailed Hydrology study report of the study area considered*

   Reply: Proponent informed that hydrogeology and water depth related data has been updated as per hydrological report of Malur Talik, Kolar District by CGWB year 2020-2021. Details of the hydrology is provided in section 3.4.5, Chapter 3 of the EIA report.

3. *Ground water depth is mentioned as 10mtrs, which has to be reexamine, as the project area is an overexploited area.*

   Reply: Proponent informed that as per the hydrological report of Malur Taluk, Kolar District by CGWB year 2020-2021 the ground water level in Malur Taluk during pre-monsoon ranges between 20-140 mbgl and during post-monsoon ranges between 15-140 mbgl. The average the ground water level in Hungenahalli village (near Bavanhalli village) during pre-monsoon ranges between 120.5-121.4 mbgl and during post-monsoon ranges between 95-114.2 mbgl. Details provided in section 3.4.5, Chapter 3 of the EIA report.

4. *Detailed compliance for the issues raised in Public Hearing*

   Reply: Proponent informed that detailed compliance for the issues raised in Public Hearing is provided in Section 7.6, chapter 7 and Action plan is submitted in the EIA report.

5. *Undertaking by PP and declaration by EIA coordinator & FAE's & plagiarism certificate not evident.*

   Reply: Proponent and Consultant informed that undertaking of Project Proponent and declaration by EIA coordinator & FAE s along with plagiarism certificate is provided in EIA report

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.*

   Reply : Proponent informed that there are few trees on the identified land. KIADB shall retain the trees as greenbelt to the maximum as possible. KIADB has planned to develop the plots with provisions of retain existing trees without disturbing other utility and facilities.

7. *For 3286 KLD fresh water requirement, source of water not evident.*

   Reply : Proponent informed that total fresh water is estimated to be 3.286 MLD which will be met from tertiary treated plant which is situated at Narsapur industrial area established by KIADB and 456 KLD of water for domestic purposes of drinking to the workers will be sourced from private tanker by the industries.

8. *Proposed water requirement for green belt is 1745 KLD, which need to be substantiated.*

Reply : Proponent informed that the treated water which will come from the CSTP, the estimated quantity 1745 KLD will be used during non rainy season. The rainy season 50% from the estimated quantity will be used. This would reduce the 20% of total water consumption.

9. *To reducing the fresh water requirement, use of recycled water for flushing and industrial purposes by tertiary treatment is not evident.*

Reply : Proponent informed that the tertiary treated water will come from CETP/CSTP which will be recycled and reused to inside the IA. The treated water will be sent back to individual industries as per their requirement and utilities purpose.

10. *Proposal of dual piping for fresh water & recycled water is not evident.*

Reply : Proponent informed that Dual pipe line will be provided by KIADB which will be carrying the fresh water from the source & recycled water from CSTP/CETP to the Individual industries. The dual piping provision adopted in water balance chart.

11. *Monsoon & Non Monsoon season separate water consumption to be provided.*

Reply : Proponent informed that Total water consumption is estimated to be 4.68 MLD during non rainy season.

The KIADB will be provided rainwater collection tank which has capacity of about 1 ML (4 x 250 KL) and separate storm water drains will be provided. The collected rain water will be treated and to be sent to individual industries. Hence, During Rainy season, The water consumption would reduce to 3.68 MLD.

12. *CETP scheme with design details not evident.*

Reply : Proponent informed that CETP Scheme and design details has been incorporated in EIA/EMP report.

13. *Scheme of RWH, calculations details and their storage or bore well recharge not evident.*

Reply : Proponent informed that Rainwater harvesting plant updated and provided in section 2.16.

14. *Storm water management plan and collection & recharge scheme is not evident.*

Reply : Proponent informed that Storm water management system provided in section 2.15. chapter 2 of EIA report.

15. *pg 44 in EIA report, DEM source not specified.*

Reply : Proponent informed that DEM map is sourced from SRTM DEM 30 meters and It is already shown in DEM Figure no 3.4.

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.*

Reply : Proponent informed that the hydrogeological data has been updated as per the hydrological report of Malur Taluk, Kolar District by CGWB year 2020-2021.

The ground water level in Malur Taluk during pre-monsoon ranges between 29.70-181.40 mbgl. And during post-monsoon ranges between 10.06-182 mbgl

17. Consultant has to assess the current status by ground survey & conduct Hydro geological study from CGWA & NABET accredited consultant.

Reply: Proponent informed that the hydrogeological data has been updated as per the hydrological report of Malur Taluk, Kolar District.

18. Pg 85 of EIA, fauna is not classified as per WLPA 2022, however, in WLCP it is considered.

Reply: Proponent informed that the list of the fauna is already classified as per the Wildlife Protection Act 1972 and amended in Dec 2022. The list is presented in Table 3.25 to 3.27.

19. CER budget and their year wise implementation in physical terms not evident

Reply : Proponent informed that the Budget of Rs. 195 Lac has been proposed by KIADB under CER activities. This budget shall be implemented in next three years. Year wise budget is provided in table 10.6, chapter 10 of EIA report.

20. Air Pollution impact during construction phase and operation phase is not evident and air quality modelling details is not evident.

Reply: Proponent informed that air pollution impacts has been updated through modelling study and provided in Section 4.3.4, Chapter 4 of EIA report.

21. Traffic study not evident as per IRC standard

Reply: Proponent informed that traffic study is provided in section 3.12, chapter 3 and impact prediction provided in section 4.3.11 and 4.4.8, chapter 4 of EIA report.

22. Zoning of the area in terms of 'type of industries' not evident, categories of tentative categories of industries not elaborated.

Reply: Proponent informed that provided in Section 2.2.1, Chapter 2 of EIA report.

23. ToR Compliance is vague in nature

Reply: Proponent informed that ToR compliance updated.

24. Tentative generation of MSW, Haz waste, plastic waste, e-waste from all possible industries is not evident.

Reply: Proponent informed that details of the waste generation is provided in Section 2.11, Table 2.8 and 2.9 of EIA report.

The Committee noted the clarification given by the Consultant & Proponent and carried on with the appraisal of the project.

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 sought clarification regarding the type of industries proposed to be established in the industrial area, details of CETP, details of water body and drain as per village map and nearby habitation line in the proposed area. The Proponent informed the Committee that Red, Orange & Green Category industries would be allowed in the proposed industrial area. Regarding CETP, Proponent informed that CETP of 3.5 MLD is proposed in the project and CETP would be commenced after 60%-70% industrial occupancy. Proponent informed that for the water bodies, buffer of 30mtr has been proposed all around from the edge of water body and regarding drains in the project site area, a buffer of 9mtr from the edge of all the drains has been proposed. The Committee informed the Proponent to allot the red category industries in the center portion of layout and orange industries around it and green category industry in the outer boundary of the proposed area, for which the Proponent agreed.

The Public hearing was conducted on 06.03.2024 and opinions and request of 6 people were recorded in the report and the Committee noted the complaints/opinions/requests received from public during public hearing. The Proponent submitted point wise compliance to all the complaints/requests and also other general issues raised by the public during public hearing. The Committee informed the Proponent to leave 15 meter buffer all around the industrial area and to strictly achieve 33% green belt in each unit and to provide buffer for drains and water bodies as per norms, for which the Proponent agreed.

Regarding harvesting rain water, the Proponent informed that for the total runoff they have proposed 521 recharge pits within the site area and informed that there will be no discharge of excess runoff water from the site area and all the individual units will be insisted to make provision for rainwater harvesting and the complete runoff water would be harvested within the site area.

The Committee informed the Proponent to carry out plantation in coordination with forest department, to make provisions for rain water storage ponds for rainwater harvesting, to carry out plantation in buffer zone,to maintain the natural drains as per topography, to provide buffer as per byelaws, to rejuvenate the water body in the vicinity of the project site and to consider treating the nearby Municipal water for non-consumptive use in Industrial areas in the State, so as to reduce their dependency on fresh water and the Proponent agreed for all.

The Proponent agreed to grow 49,050 trees in the project site area in consultation with Forest Department. The Proponent has collected baseline data of air, water, soil, water and noise and informed that all are within the permissible limits. The Proponent assured to take mitigative measures for the anticipated environmental impacts and for disaster management and 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 guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers.

The Committee noted that the baseline parameters were found to be within permissible limits and informed the Proponent to leave buffer 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 521 recharge pits and to make additional provision for storage and reuse of rainwater within the site area.
2. To carry out plantation in coordination with Forest Department in buffer and adjacent to footpath.
3. Proponent agreed to retain the natural drains and rejuvenate the water body in the vicinity of the project site and use it as rainwater harvesting structure after obtaining necessary permission from concerned authority.

4. To Provide PHC facility to nearby villagers.
5. To provide dedicated lines for Effluent collection and STP and separate provisions for ducts for cables/water lines.
6. KIADB to consider possibility of treating sewage water of nearby municipal areas for non-consumptive purpose as this would minimize fresh water demand.
7. To adhere to the compliance given in response to the opinion of public addressed during public hearing (mainly to provide employment to local people).
8. To grow 49,050 trees in the early stage before taking up of construction.
9. To install CETP of 3.5 MLD after 60% to 70% industrial occupancy.
10. To allot the red category industries in the center portion of layout and orange industries around it and green category industry in the outer boundary of the proposed 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.

317.1.19 ToR: Expansion of Non-Residential Office Building & Residential Apartment Project at Sy Nos.14, 158 & 152 (P) of Pattandur Agrahara Village, K. R. Puram Hobli, Bangalore East Taluk, Bangalore Urban District by M/s. Sumadhura Capitol Towers Pvt.Ltd. - Online Proposal No.SIA/KA/INFRA2/485216/2024 (SEIAA 92 CON 2024)

The proposal is for expansion and modification of office & residential development project for which EC was issued earlier by SEIAA on 04.09.2020 for BUA of 1,56,206.47 Sqm in plot area of 37,837.79 Sqm and presently it is proposed for BUA of 2,46,559.79 Sqm and in plot area of 54,429.77 Sqm. The Proponent had obtained Certified Compliance Report (CCR) from MoEF&CC dated 15.03.2024 informing that the project had completed construction and obtained OC.

The Proponent informed that for the additional area proposed for expansion EC has been obtained by M/s. Corner Stoned Propoerties Pvt. Ltd. on 30.07.2012. The Proponent informed the Committee that the validity of earliler EC has expired and no work had started after obtaining EC and the land owner had cancelled the earlier JD agreement with M/s. Corner Stoned Propoerties Pvt. Ltd. and entered into new JD agreement with the Proponent. The Committee noted the clarification.

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

1. NoC from KGWA for the source of water during construction and during operation should be submitted.
2. NoC from BMRCL and NH for the proposed project.
3. To provide STP for labour colony.
4. Provisions for tertiary treatment of water with 100% recycling of sewage water.
5. Height clearance from competent authority.
6. Air & Noise Modelling details
7. Details of drains, water bodies, kharab details and its position on the combined village survey map with reference to project area
8. Detailed conceptual plan and landscape plan, clearly indicating existing buildings / proposed buildings, approach road and details of Kharab areas with buffers as per bylaws.
9. Complete land documents and conversion documents for applied Survey. Nos. and extent

10. Surface hydrological study of surrounding area to be carried out and the carrying capacity of the natural drains to be worked out in order to ascertain the adequacy in the carrying capacity of the drains and with details of strengthening of drains.
11. Details of quantity and kinds of wastes(e-wastes, hazardous wastes and bio-medical wastes) generated and handling the same.
12. Detailed risk and disaster management during and after construction.
13. Quality of nearby lake water and its rejuvenation plan to be detailed.
14. Implementation of Green building concept, provisions for smart metering concept for individual apartments for water consumption details, utilization of the entire terrace for solar power generation and other methods of power savings, provision for electric vehicle charging facility in the proposed project should be detailed
15. Compliance to ECBC guidelines and incorporation of NCB for proposed project should be detailed.
16. Provisions for utilizing 50% of roof area for solar energy.
17. Details regarding processing organic waste in bio-digester and scheme for waste to energy plant to process the entire organic waste generated within the project site and also to process the inorganic waste within the project site
18. Detailed FAR calculations for earlier construction and proposed construction and detailed parking provisions for all kind of vehicles including charging facility for e-vehicles with reference to local zoning authorities should be defined.
19. Detailed Traffic study with respect to proposed expansion and methods of improvising.
20. Ground water potential and level in the study area.
21. Detailed rain water harvesting with respect to annual rainfall and provisions for tanks/sumps/ponds for roof top and along with management of excess storm water.
22. Sampling locations shall be as per standard norms.
23. To upload all documents signed by Proponent & Consultant
24. Compliance to MoEF&CC OM dated 29.03.2022
25. Activities such as provisions for rejuvenation for water bodies/drains in the vicinity of the project, Public Health Care unit, etc., to be taken up under CSR & CER should be detailed out in physical terms and included as part of EMP.

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

317.1.20 ToR: Proposed Town Municipal Solid Waste Processing Plant Project atSy.No.45 of YeladurVillage, Srinivasapura Taluk, Kolar District by Town Municipal Council (TMC), Srinivasapura - Online Proposal No.SIA/KA/INFRA2/484498/2024 (SEIAA 12 IND 2024)

The proposal is for establishment of new CMSWMF of capacity 15.37 TPD in an area of 5.03 Acres.

The Committee as per the data available in PARIVESH noted that three fourth area of the applied land was falling inside the forest area. Hence, the Committee after discussion decided to defer the proposal for want of NoC from DCF, regarding the nature of land and to reverify the proposed area for establishing CMSWMF with reference to CPCB siting guidelines.

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

317.1.21 ToR: Residential Layout Project at Sy.Nos.113-114, 165-168, 187-207, 210-245, 414-421, 441-452, 471, 474-482, 543-544, 546-552, 563-564, 566-570, 587 of Indavara Village, Chikmagaluru Taluk, Chikmagaluru District by Urban Development Authority, Chikmagaluru - Online Proposal No.SIA/KA/INFRA2/486932/2024 (SEIAA 96 CON 2024)

The proposal is for issuing ToR for the proposed residential layout in plot area of 200-24 Acres.

The Committee initially sought clarification for the present site condition as per KML. The Proponent informed the Committee that they had carried out boundary markings and other allied works.

The Committee after discussion decided to defer the proposal as the Committee noted discrepancy in the details provided by Proponent and the site condition as per KML. Hence, the Committee after discussion informed the Proponent to submit details of present site condition as per KML.

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

317.1.22 ToR: Development of Industrial Layout in Aliyabad 3rdPhase Project at Aliyabad Village, Vijayapura Taluk and District, Karnataka Project by Karnataka Industrial Area Development Board (KIADB) - Online Proposal No.SIA/KA/INFRA1/484456/2024(SEIAA 13 IND 2024)

This is a proposal for grant of ToR for proposed development of industrial area in an extent of 305.02 acres. The Proponenet informed the Committee that the proposed area is undisturbed and no activity has started.

The Committee appraised the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies along with public hearing in accordance with the EIA Notification, 2006 and relevant guidelines. The Committee also prescribed the following additional ToRs.

1) Details of the kharab land and its position on the village survey map may be detailed.
2) To revise the layout plan by relocating CETP area away from drain/water body and by leaving necessary buffer from nalas / water bodies as per norms with provison for the red category industries in the center portion of layout and orange industries around it and green category industry in the outer boundary of the proposed area.
3) Ground water potential and level in the study area.
4) Rain water harvesting/storage details may be worked out.
5) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
6) To submit the Details of trees to be felled and the scheme for development of greenery with the number and kind of tree species as per norms.
7) List of existing and proposed trees species wise and number wise may be detailed and submitted.
8) The applicability of the recent NGT order/supreme court order on buffer zone for water bodies and nalas may be studied and submitted.
9) Sampling locations shall be as per standard norms.
10) To submit proposal by leaving the areas in litigation.
11) Drainage facility for diversion of rain / excess water to main drains outside industrial area.
12) Plan of action for setting up of CETP& CSTP.
13) To consider possibility of treating sewage water of nearby municipal areas for non-consumptive purpose as this would minimize fresh water demand.

14) To submit detailed compliance in response to the opinion of public addressed during public hearing (mainly to provide employment to local people).
15) Activities such as provisions for rejuvenation for water bodies/drains in the vicinity of the project,Public Health Care unit, etc., to be taken up under CSR & CER should be detailed out in physical terms and included as part of EMP.

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

317.1.23 ToR: Mineral Beneficiation Plant Project at Sy.Nos.107/1, 107/2, 107/3 & 107/4 of Ramthal Village, Hungund Taluk, Bagalkot District by Sri Rachappa Saradagi GPA Holder M/s. Doddanavar Brothers - Online Proposal No.SIA/KA/IND1/490860/2024 (SEIAA 14 IND 2024)

The Committee initially sought details of present site condition as per KML. The Proponent informed the Committee that the existing facility was established prior to EIA Notification 2006, justified by submitting CFE issued by KSPCB dated 28.03.2005 for beneficiation of 3 LTPA. The Proponent informed that they have valid CFO issued by KSPCB dated 16.08.2021. Now the proposal is for expansion of beneficiation plant to 6 LTPA. The committee after discussion and deliberation decided to recommend the proposal for issue of standard ToR and following additional ToR along with public hearing.

1) To submit CCR for existing CFO
2) Forest NOC certified by DCF should be submitted
3) Storage and disposal of tailings should be detailed
4) Strengthening of the approach road in order to mitigate dust pollution should be detailed.
5) The Project being near to the forest boundary, plant activity might affect the wildlife in the forest.
6) Wild life conservation plan to be prepared and authenticated.
7) Layout plan with 33% green belt area and details of buffer for drain/water bodies as per village map
8) Village map with boundary marking of proposed area
9) Provision to construct 10m height double layer porous fence on the boundary wall of the factory.
10) KML polygon with all the coordinates of the site area.
11) Handling of the tailing shall be detailed
12) To submit mineral test certification
13) Details of chimney emission, mass based quantity of emission and the Mathematical modelling details.
14) Clearance for source of water from KGWA
15) To submit detailed compliance in response to the opinion of public addressed during public hearing (mainly to provide employment to local people).
16) Activities such as provisions for rejuvenation for water bodies/drains in the vicinity of the project,Public Health Care unit, etc., to be taken up under CSR & CER should be detailed out in physical terms and included as part of EMP.

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

317.1.24 ToR: Proposed Development of Nandur Kesartagi Industrial Area - 3rd Phase located at Nandur Village, Kalaburagi Taluk & District and Karnataka State by Karnataka Industrial Area Development Board- Online Proposal No.SIA/KA/INFRA1/471115/2024 (SEIAA 17 IND 2024)

This is a proposal for grant of ToR for proposed development of industrial area in an extent of 591.22 acres. The Proponent informed the Committee that the proposed area is undisturbed and no activity has started.

The Proponent informed the Committee that earlier an area of 595.22 Acres including 4.00 Acres area falling out side the boundary was considered for development and later they had revised the area to 591.22 Acres by leaving the isolated area of 4.00 Acres falling outside the boundary of the proposed area and accordingly they had considered 591.22 Acres for proposed development.

The Committee appraised the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies along with public hearing in accordance with the EIA Notification, 2006 and relevant guidelines. The Committee also prescribed the following additional ToRs.

1) Details of the kharab land and its position on the village survey map may be detailed.
2) To revise the layout plan by relocating CETP area away from drain/water body and by leaving necessary buffer from nalas / water bodies as per norms with provison for the red category industries in the center portion of layout and orange industries around it and green category industry in the outer boundary of the proposed area.
3) Ground water potential and level in the study area.
4) Rain water harvesting/storage details may be worked out.
5) NoC from Railways & National Highway
6) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
7) To submit the details of trees to be felled and the scheme for development of greenery with the number and kind of tree species as per norms.
8) List of existing and proposed trees species wise and number wise may be detailed and submitted.
9) The applicability of the recent NGT order/supreme court order on buffer zone for water bodies and nalas may be studied and submitted.
10) Sampling locations shall be as per standard norms.
11) To submit proposal by leaving the areas in litigation.
12) Drainage facility for diversion of rain / excess water to main drains outside industrial area.
13) Plan of action for setting up of CETP& CSTP.
14) To consider possibility of treating sewage water of nearby municipal areas for non-consumptive purpose as this would minimize fresh water demand.
15) To submit detailed compliance in response to the opinion of public addressed during public hearing (mainly to provide employment to local people).
16) Activities such as provisions for rejuvenation for water bodies/drains in the vicinity of the project,Public Health Care unit, etc., to be taken up under CSR & CER should be detailed out in physical terms and included as part of EMP.

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

317.1.25 ToR: Establishment of resin manufacturing unit involving formulation of Urea Formaldehyde Resin, Phenol Formaldehyde Resin & Melamine Urea Formaldehyde Resin at Plot 448, Baikampady Industrial Area, Suratkal Hobli, New Mangalore Taluk, Dakshina Kannada District by M/s. Asian Plywoods - Online Proposal No.SIA/KA/IND3/490412/2024 (SEIAA 15 IND 2024)

This is the proposal for establishment of synthetic organic resin manufacturing industry, within the Baikampady industrial area. The Proponent informed that the land allotted by KIADB. The Proponent requested to exempt public hearing, since the activity is located in notified industrial area and the industrial area established prior to EIA Notification-2006. The proponent informed that they had proposed for production of 700 MT/month resins for plywood manufacturing in the proposed area.

The committee after discussion decided to recommend the proposal to SEIAA for issue of standard TORs along with the following additional TORs to conduct EIA studies.

1. Layout plan with details of area of raw material storage, machinery and equipment area, 33% green belt etc.
2. Due diligence of the existing industries in the proposed area.
3. Material balance / mass balance for each product with quantities of distillate residue, solvent recovery and fugitive emissions etc. to be provided.
4. Provide the solvents storage plan with quantity as per standard norms highlighting any special precautions adopted for storage.
5. Clarification regarding source of water and revised water balance.
6. Describe the measures proposed for in-house recovery of solvents mentioning the efficiency of recovery.
7. For Boiler fuel Explore the possibility of using eco-friendly fuel such as CNG /Solar power/Briquettes.
8. Disaster control plan should be detailed.
9. Details of effluents generated and its handling by incorporating ZLD shall be detailed.
10. Hazard study considering the worst case scenario.
11. Handling of VOC & formaldehyde shall be detailed.
12. MoU copy with TSDF
13 Activities such as provisions for Public Health Care unit, nearby water body rejuvenation etc., to be taken up under CSR & CER should be detailed out in physical terms and included as part of EMP.

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

317.1.26 ToR: Sponge Iron Plant Project at Sy.Nos.10 & 35 of Taranagar Village, Sandur Taluk, Bellar District by M/s. Divyajyoti Steels Limited - Online Proposal No.SIA/KA/IND1/489328/2024 (SEIAA 16 IND 2024)

The Committee initially sought details of present site condition as per KML. The Proponent informed the Committee that for the existing facility they had obtained EC from GoK on 12.12.2005 prior to EIA Notification 2006 for production of 60,000TPA of sponge iron and 15,000TPA of Dolchar issued by Under Secretary, Dept of Forest, Environment & Ecology, GoK. The Proponent informed that they have valid CFO issued by KSPCB dated01.06.2022. Now the proposal is for production of 175TPD Sponge Iron, 25TPD Powder metallic plant(Stick Manufacturing). The committee after discussion and deliberation decided to recommend the proposal for issue of standard ToR and following additional ToR along with public hearing.

1. To submit CCR for earlier EC & CFO.
2. The Project being near to the forest boundary, plant activity might affect the wildlife in the forest.
3. Wild life conservation plan to be prepared and authenticated.
4. Layout plan with 33% green belt area and details of buffer for drain/water bodies as per village map.
5. Combined village map with boundary marking of proposed area.
6. Mitigation plan to prevent plant wash entering into the drain/water body.
7. To concrete internal roads and approach road.
8. KML polygon with all the coordinates of the site area.
9. The DRI interlocks through software & hardware with DRI Kilns Stack cap, ESP ID Fan, Bag filter ID fan & with DRI kiln operation should be detailed.
10. Provisions for installation of IP & PTZ Cameras for bird eye view of the Stack cap and real-time connectivity to pollution control board should be submitted.
11. Provision to construct 10m height double layer porous fence on the boundary wall of the factory.
12. The tailing shall be filter pressed and dry cake shall be stored in protected area so as to control dust emission and rain wash off.
13. Storage of fuel shall be detailed.
14. Details of chimney emission, mass based quantity of emission and the Mathematical modelling details.
15. Dolochar reused in process should be detailed.
16. Clearance for source of water from KGWA.
17. Tailing pond break, risk assessment and mitigation measures should be detailed.
18. To submit detailed compliance in response to the opinion of public addressed during public hearing (mainly to provide employment to local people).
19. Activities such as provisions for rejuvenation of water bodies/drains in the vicinity of the project, Public Health Care unit, etc., to be taken up under CER should be detailed out in physical terms and included as part of EMP.

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

317.1.27 Building Stone Quarry Project at Sy.No.42 of Naganala Village, Kolar Taluk & District (10-31 Acres) by Sri N Somashekar- Online Proposal No.SIA/KA/MIN/490921/2024 (SEIAA 158 MIN 2024)

The proposal is for expansion of building stone quarry in lease area of 10-31 Acres for which they had obtained EC from SEIAA on 07.12.2019 and lease was granted on 07.03.2023.

As the area considered for cluster is more than the threshold limit of 5 Ha, the project is categorized as B1. The Proponent had obtained approved quarry plan on 19.10.2023.

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

1. Cumulative pollution load taking into account of cluster with wind rose diagram and isopleth map should be submitted in detail.

2. Traffic and soil sample studies.
3. Forest 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. To submit revised quarry plan as per field conditions.
10. To submit DMG certified audit report till 2023-24

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

317.1.28 ToR: Development of Waterways on Gurupura (NW-43) in Mangalore Taluk, Dakshina Kananada District byM/s. Karnataka Maritime Board, Port & Fisheries Division, Udupi-Online Proposal No.SIA/KA/INFRA1/438277/2023(SEIAA 40 IND 2023)

This project was considered during 304th SEAC and the Committee had deferred the proposal for want of CRZ map duly demarcated by authorized agency showing the project activity.

In the present meeting the Proponent submitted the CRZ map duly demarcated the proposed project area by authorized agency. The Committee noted the details.

The proposal is for EC under category 7(e) of the EIA Notification 2006, for development of waterways on Gurupura River. The Proponent informed the Committee that they had proposed for capital dredging of 78,078 cum quantity, two numbers of RORO Jetties, terminal building etc.

However, the Proponent was also advised to examine whether a Composite Clearance (EC & CRZ) from MoEF & CC needs to be taken for the said project, 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. CRZ clearance for proposed Jetty and for disposal of dredging material
2. Details EC and CRZ clearance for existing facility
3. Detailed report of Bathymetric study
4. Detailed report of vessel tranquility study
5. Details of impact of the proposed project on fishing
6. Marine ecological studies from reputed institute.
7. Concept plan with details of proposed activities.
8. Cargo handling details
9. Details of R&R
10. Traffic studies
11. Marking of the proposed area on village map and land documents.
12. Site specific CER activities.
13. *CCR for existing EC.*

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

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

317.2.1 Establishment of Sponge Iron Unit Project at Haraginadoni Village, Ballari Hobli, Ballari Taluk and District by M/s. Rangineni Steel & Power Pvt. Ltd. – Online Proposal No.SIA/KA/IND1/494086/2024 (SEIAA 39 IND 2023)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Project Proponent	Mr. Rangineni Srinivas Rao, Director D.No.15, Kalpavruksha Residency, Beside Bala Bharathi School, 3rd Cross, Gandinagar, Ballari - 583 103
2	Name & Location of the Project	Establishment of Sponge Iron Unit- 62,700 TPA (2 X 95 TPD), M S Billets- 39,600 TPA by installing Induction Furnace-12 T/H and Captive Power Plant-6MW (AFBC- 3MW & WHRB- 3MW). Sy. Nos. 22/1, 22/2, 22/3, 22/A, 22/B1, 22/B2, 22/B3, 22/C1, 22/C2, 22/C3, 22/C4, 139(P), 142, 140/2, 140/3, 140/A, 140/B, 141/A, 143/2C/1, 143/5 of Haraginadoni Village, Ballari Hobli, Ballari Taluk and District
3	Co-ordinates of the Project Site	The project site co-ordinates range from Latitude 15°9'6.26"N to 15°9'29.15"N and Longitude 76°46'43.95"E to 76°47'27.19"E.
4	Environmental Sensitivity	
	a. Distance From nearest Lake/ River/ Nala	Seasonal Nala–15 m(SE) Allipura Reservoir – 5.6 km (E) Yerabanahalli Lake – 5.84 km (W) Avinamadugu Lake– 9.0 km (SW)
	b. Distance from Protected area notified under wildlife protection act	No Protected area notified under Wildlife Protection Act within 10 km radius from the project site
	c. Distance from the interstate boundary	Karnataka – Andhra Pradesh interstate boundary – 6.4 km (SE)
	d. whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number	Category B [3(a)] as per EIA Notification 2006

Sl.No.	Particulars	Information Provided by PP
6	New/ Expansion/ Modification/	New
7	Plot Area (Sqm)	3,17,233.07
8	Built Up area (Sqm)	28,538.43
9	Component of developments	Sponge Iron Unit - 62,700 TPA (2 X 95 TPD) M S Billets- 39,600 TPA & Induction Furnace-12 T/H Captive Power Plant- 6MW (AFBC- 3MW & WHRB- 3MW)
10	Project cost (Rs. In crores)	123.24
11	Details of Land Use (Sqm)	

a.	Ground Coverage Area	
b.	Kharab Land	
c.	Internal Roads	
d.	Paved area	
e.	Parking	
f.	Green belt	
g.	Others Specify	
h.	Total	

Sl No	Land Description	Area (Sqm)	AreaIn%
1	Ground Coverage Area	71346.07	22.49
2	Greenbelt Area	104692.18	33.00
3	Roads	22743.33	7.17
4	Vacant Land	27154.41	8.56
5	Future Expansion	91297.081	28.78
	Total	**3,17,233.07**	**100**

12	Products and By- Products with quantity (enclose as Annexure if necessary)		

Sl.No.	Product	Quantity (MTA)
1	MS Billets	39,600 TPA
2	Sponge iron Units	62,700 TPA
3	Captive Power Plant	6MW (AFBC- 3MW & WHRB- 3MW)

13	Raw material with quantity and their source (enclose as Annexure if necessary)		

Sl.No.	Raw Material	Quantity (MTA)	Source
1	Iron Ore	1,09,725	Local Mines
2	Lime Stone	3,762	Local Mines
3	Imported Coal	64,200	Imported
4	Sponge Iron	36,828	In house
5	Scrap and other alloys	3,960	Local Market
6	Pig Iron	4,752	Local Market
7	Dolochar	15,675	In house

14	Mode of transportation of Raw material and storage facility	Mode of transportation: Road Storage facility: Raw material storage shed of area 1,500 Sqm for iron and 1,500 Sqm for coal and other raw material sheds within the project site
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	Captive power plant is proposed. Imported coal will be transferred via road and stored in coal shed.
16	Fly ash production, storage and disposal details whereas coal is used as fuel	Captive power plant, which uses imported coal, will produce fly-ash, which will be stored safely and transferred to Cement Plants.
17	WATER	
	I. Construction Phase	
	a. Source of water	Bore well/External tanker water

<table>
<tr><th>Sl.No.</th><th colspan="2">Particulars</th><th>Information Provided by PP</th></tr>
<tr><td></td><td>b.</td><td>Quantity of water for Construction in KLD</td><td>7.5</td></tr>
<tr><td></td><td>c.</td><td>Quantity of water for Domestic Purpose in KLD</td><td>2.5</td></tr>
<tr><td></td><td>d.</td><td>Waste water generation in KLD</td><td>2.25</td></tr>
<tr><td></td><td>e.</td><td>Treatment facility proposed and scheme of disposal of treated water</td><td>Mobile STP</td></tr>
<tr><td></td><td>II</td><td colspan="2">Operational Phase</td></tr>
<tr><td></td><td>a.</td><td>Source of water</td><td>Bore Well/ Treated water from Ballari STP</td></tr>
<tr><td></td><td>b.</td><td>Total Requirement of Water in KLD</td><td>302.3 KLD (Fresh water – 292.6 KLD, Recycled – 9.7 KLD)</td></tr>
<tr><td></td><td>c.</td><td>Requirement of water for industrial purpose / production in KLD</td><td>275 KLD</td></tr>
<tr><td></td><td>d.</td><td>Requirement of water for domestic purpose in KLD</td><td>12.6 KLD</td></tr>
<tr><td></td><td>e.</td><td>Waste water generation in KLD</td><td>10.8 KLD</td></tr>
<tr><td></td><td>f.</td><td>ETP/ STP capacity</td><td>Domestic sewage - STP of Capacity 15 KLD
There is no effluent generation from industry operations. The water will be recirculated in closed loop circuit.</td></tr>
<tr><td></td><td>g.</td><td>Technology employed for Treatment</td><td>Sequential Batch Reactor Technology</td></tr>
<tr><td></td><td>h.</td><td>Scheme of disposal of excess treated water if any</td><td>Treated water from STP will be used for gardening.</td></tr>
<tr><td>18</td><td colspan="2">Infrastructure for Rain water harvesting</td><td>Rainwater tanks of 2X200 KL ponds of 4 X 540 Cum</td></tr>
<tr><td>19</td><td colspan="2">Storm water management plan</td><td>Total runoff from roads, open area and landscape area = 1,960.46 m3/day which will pass through the Oil & grease trap and Siltation tank and let into 4 numbers of storm water ponds of capacity 540 Cum each.</td></tr>
<tr><td>20</td><td colspan="2">Air Pollution</td><td></td></tr>
<tr><td></td><td>a.</td><td>Sources of Air pollution</td><td>
<table>
<tr><th>Sl. No.</th><th>Source</th><th>Stack attached to</th><th>Fuel used</th><th>Fuel Consumption</th><th>Number of stacks</th><th>Stack height</th></tr>
<tr><td>1</td><td>Induction furnace 12 T</td><td>furnace</td><td>-</td><td>-</td><td>1</td><td>30</td></tr>
<tr><td rowspan="6">2</td><td rowspan="6">DRI (2 x 95 TPD)</td><td>Coal Circuit</td><td rowspan="6">-</td><td rowspan="6">-</td><td>1</td><td>30</td></tr>
<tr><td>Iron ore circuit</td><td></td><td></td></tr>
<tr><td>Crusher and stock house</td><td>1</td><td>30</td></tr>
<tr><td>Cooler Discharge</td><td>1</td><td>30</td></tr>
<tr><td>Intermediate Bin and Production Separation</td><td>1</td><td>30</td></tr>
<tr><td>Waste gas cleaning system</td><td>1</td><td>70</td></tr>
<tr><td rowspan="2">3</td><td rowspan="2">Captive Power Plant</td><td>AFBC Boiler</td><td>Coal and Dolochar</td><td>Coal – 1,500 TPA Dolochar 15,675 TPA</td><td>1</td><td>30</td></tr>
<tr><td>Waste gas cleaning system</td><td>-</td><td>-</td><td>1</td><td>70</td></tr>
<tr><td>4</td><td>2 X 500 KVA DG</td><td>DG</td><td>HSD</td><td>624 L / day</td><td>1</td><td>30</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>Sl.No.</th><th colspan="2">Particulars</th><th>Information Provided by PP</th></tr>
<tr><td></td><td>b.</td><td>Composition of Emissions</td><td>
<table>
<tr><th>Si. No.</th><th>Stack attached to</th><th>Constituents to be controlled</th></tr>
<tr><td>1</td><td>DRI (2 X 95 TPD)</td><td>PM, SO_2 & NOx</td></tr>
<tr><td>2</td><td>Captive Power Plant</td><td>PM, SO2 & NOx</td></tr>
<tr><td>3</td><td>Induction furnace 12 T/H</td><td>PM</td></tr>
<tr><td>4</td><td>D.G set 2 X500 kVA</td><td>PM, SO_2&NOx</td></tr>
</table>
</td></tr>
<tr><td></td><td>c.</td><td>Air pollution control measures proposed and technology employed</td><td>
<table>
<tr><th>Sl. no.</th><th>Stack attached to</th><th>Fuel used</th><th>Fuel Consumption</th><th>Air Pollution Control unit</th><th>Constituents to be controlled</th></tr>
<tr><td>1</td><td>DRI 2 X 95 TPD</td><td>Coal</td><td>62,700 TPA</td><td>Bag Filter and ESP</td><td>PM, SO2 & NOx</td></tr>
<tr><td rowspan="2">2.</td><td>Captive Power Plant - AFBC</td><td>Coal And Doloc har</td><td>Coal – 1,500 TPA Dolochar 15,675 TPA</td><td>Bag Filter</td><td>PM, SO2 &NOx</td></tr>
<tr><td>WHRB</td><td>-</td><td>-</td><td>ESP</td><td>PM, SO2 &NOx</td></tr>
<tr><td>3</td><td>Induction furnace 12 T/H</td><td>-</td><td>-</td><td>Bag filter & Scrubber</td><td>PM</td></tr>
<tr><td>4</td><td>D.G set 2 X500 kVA</td><td>HSD</td><td>624 L/day</td><td>Acoustic Enclosure</td><td>SO_2, NOx, SPM</td></tr>
</table>
70 m chimney is common for 2 X 95 TPD DRI ESP and WHRB ESP
</td></tr>
<tr><td>21</td><td colspan="2">Noise Pollution</td><td></td></tr>
<tr><td></td><td>a.</td><td>Sources of Noise pollution</td><td>DG Sets, Steel Melting Shop, Induction furnace, captive power plant, Vehicles</td></tr>
<tr><td></td><td>b.</td><td>Expected levels of Noise pollution in dB</td><td>Below 75 dB (A)</td></tr>
<tr><td></td><td>c.</td><td>Noise pollution control measures proposed</td><td>Acoustic enclosures are provided with DG sets.
Greenbelt development in and around the plant area
Personal protective equipment's (PPEs) such as earplugs and earmuffs to all workers
Regular maintenance of vehicles will be ensured</td></tr>
<tr><td>22</td><td colspan="2">WASTE MANAGEMENT</td><td></td></tr>
<tr><td></td><td>I.</td><td>Operational Phase</td><td></td></tr>
<tr><td></td><td>a.</td><td>Quantity of Solid waste generated per day and their disposal</td><td rowspan="3">
<table>
<tr><th>Sl No</th><th>Solid waste</th><th>Quantity(TPA)</th><th>Mode of disposal</th></tr>
<tr><td colspan="4">Solid Waste Industrial</td></tr>
<tr><td>1</td><td>Dolo char</td><td>15,675</td><td>Reused in power plant</td></tr>
<tr><td>2</td><td>Ash</td><td>15,675</td><td>Brick/Cement Plants</td></tr>
<tr><td>3</td><td>Slag</td><td>5,940</td><td>Construction & road making</td></tr>
<tr><td>4</td><td>Fly ash</td><td>8,244</td><td>Cement Plants</td></tr>
<tr><td>5</td><td>Bottom ash</td><td>2,061</td><td>Cement Plants</td></tr>
<tr><td colspan="4">Solid Waste Domestic</td></tr>
<tr><td>6</td><td>Domestic</td><td>20 kg/ day</td><td>Organic waste will be treated in an organic waste converter of capacity 10 kg/day and manure is used for greenbelt.
The inorganic solid waste is handed over to authorized recyclers.</td></tr>
<tr><td colspan="4">Hazardous waste</td></tr>
<tr><td>7</td><td>Used Spent Oil</td><td>0.48 KL/Annum</td><td>Shall be collected in leak proof containers and disposed to KSPCB authorized re-processors</td></tr>
<tr><td>8</td><td>Waste residues containing oil</td><td>4 kg/month</td><td>Shall be collected in leak proof containers and disposed to KSPCB authorized re-processors</td></tr>
</table>
</td></tr>
<tr><td></td><td>b.</td><td>Quantity of Hazardous Waste generation with source and mode of Disposal as per norms</td></tr>
<tr><td></td><td>c.</td><td>Quantity of E waste generation with source and mode of Disposal as per norms</td></tr>
</table>

Sl.No.	Particulars		Information Provided by PP
23	Risk Assessment and disaster management		Risk Assessment and disaster management plan has been prepared. An Emergency Control Room (ECR) will be established. Training will be given to all workers and all emergency aids will be provided within the industry. An onsite emergency plan will be prepared and followed by the industry.
24	POWER		
	a.	Total Power Requirement in the Operational Phase with source	6 MW Source: Captive Power Plant & GESCOM
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	2 x 500 kVA
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	D.G. set – (2 X 500 KVA)- HSD AFBC Boiler -Coal and Dolochar (Proposed)
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Not applicable
25	PARKING		
	a.	Parking Requirement as per norms	Parking requirement –35 Parking Provided - 50
	b.	Internal Road width (RoW)	Entrance – 12 m Internal roads –10 m
26	Any other information specific to the project (Specify)		
27	CER Activities		As per O.M F.No. 22-65/2017-IA.III dated 30th September 2020 issued by MoEF & CC, the industry is proposed to spend Rs 30 lakhs towards CER in 3 years. • Construction of Groundwater Recharge pits (5 pits each, Rs. 1,00,000/- per pit) at Haraginadoni, Janekunte Villages • Providing Smart Class, Library, rainwater harvesting system and toilet facility to Government Primary School, Haraginadoni • Nala buffer greenbelt development for a length of 1000 m outside the project site boundary by providing 2 m spacing between individual trees – 500 nos. of trees in 3 rows (Cost per sapling Rs. 500/-) at South to East side of project site. • Installation of solar street lights in Haraginadoni & Janekunte villages (10 nos, Rs. 30,000/- per street light)
28	EMP		Capital cost –307.80 Lakhs Recurring cost –36.09 Lakhs/year

The Committee initially sought details of present site condition as per KML. Proponent informed the Committee that they had constructed temporary security shed for securing the land and had not carried out any other work. The Committee noted the clarification.

The proposal is for establishment and production of sponge iron of 62,700TPA, MS Billets of 39,000 TPM for which SEIAA had issued ToR on 30.08.2023 and PH was conducted on 25.06.2024, wherein opinion/requests of forty-eight people were recorded in minutes. Proponent informed that they are meeting the siting criteria for establishment of proposed industry.

The Committee during appraisal sought details regarding drain & road as per village map, cumulative impact and mitigative measures during operation phase of the industry and details regarding stack emission and its incremental concentration. The Proponent informed the Committee that for the drain in south eastern side they have demarcated buffer of 15mtr from the edge of the drain and the road in the northern side bifurcating the project is a existing public road and is left as it is. Regarding the anticipated impact on the air from stack emission, fugitive emission and process emissions and as a mitigation measure, they will provide covered shed for storage of raw material, regular maintenance of exhausts, chimney and other equipment's, monitoring of work zone & surrounding to check the ambient air levels for the contaminants, regular maintenance of air pollution control equipment, provision of PPE"s to all workers, dust suppression from production area by regular watersprinkling, 33% of total plot area of greenbelt development to suppress the dust pollution, fugitive emission from material unloading operations, material transfer points will be controlled completely with total enclosure.

The Committee informed to continuous monitoring of work zone & surrounding ares to check the ambient air levels for the contaminants, to provide PPE's for workers, continuous dust suppression from production area by regular water sprinkling, three rows of greenbelt development to suppress the dust pollution and for fugitive emission from material unloading operations, material transfer points controlled completely with total enclosure, for which the Proponent agreed.

The Committee sought the details of sources of air pollution and its mitigation and details of stack emission. The Proponent submitted following details for source of air pollution,

Sl. No.	Source	Chimney attached to	Minimum chimney height to be provided in m (AGL)	Constituents to be controlled in the emission	Air pollution control equipment to be installed, in addition to chimney height
1.	DRI 2 X 95 TPD	Coal Circuit	30	PM, SO_2& NOx	Bag Filter
		Iron ore circuit	30	PM, SO_2&Nox	Bag Filter
		Crusher and stock house	30	PM, SO_2&Nox	Bag Filter
		Cooler Discharge	30	PM, SO_2&Nox	Bag Filter
		Intermediate Bin and Production Separation	30	PM, SO_2&Nox	Bag Filter
		Waste gas cleaning system	70	PM, SO_2&Nox	ESP
2.	Induction Furnace- 12 T/H	Furnace	30	PM	Bag Filter
3.	Captive power plant	AFBC Boiler	30	PM, SO_2&Nox	Bag Filter
		Waste gas cleaning system	70	PM, SO_2&Nox	ESP
4.	2 X 500 KVA DG sets	DG	30	PM, SO_2&Nox	Acoustic Enclosure

For stack emission, the Proponent submitted the following details,

Sl. No.	Stack attached to	Emission of PM_{10} in gm/sec	Emission of $PM_{2.5}$ in gm/sec	Emission of SO_2 in gm/sec	Emission of NOx in gm/sec	Stack dia. in m	Flue Gas Temp. in °C	Stack Height in (m) (AGL)	Flue gas Velocity in m/sec
1	Induction furnace 12 T	0.088	0.048	-	-	1.0	60	30	4.5
2	DRI (2 x 95 TPD)	1.04	0.56	8.00	6.80	2.0	129	30	7.56
3	Crusher and stock house	0.10	0.06		-	1.0	35	30	7.30
4	Cooler Discharge	0.08	0.04		-	1.0	44	30	8.00
5	Intermediate Bin and Production Separation	0.17	0.09		-	1.0	37	30	7.50
6	DRI & WHRB (Waste gas cleaning system)	0.08	0.04	0.40	0.40	1.0	120	70	12.0
7	CPP AFBC Boiler	0.12	0.06	0.60	0.60	0.60	125	30	7.20
8	2 X 500 KVA DG	0.013	0.007	0.125	0.5	0.20	90	30	4.75

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

Location	Direction	Dist. Km	PM_{10}, µg/m³			PM2.5, µg/m³			SO_2, µg/m³			NOx, µg/m³			CO, µg/m³		
			Base line	Project prediction	Resultant	Base line	Project prediction	Resultant	Base line	Project prediction	Resultant	Base line	Project prediction	Resultant	Base line	Project prediction	Resultant
A1	-	-	64.50	0.23	64.73	27.40	0.142	27.54	7.10	0.715	7.815	14.10	0.799	14.9	920.0	0.3	920.3
A2	SSW	1.1	61.90	0.07	61.97	28.7	0.01	28.71	9.50	0.20	9.70	16.40	0.2	16.6	920.0	0.1	920.1
A3	NNE	4.5	61.40	0.03	61.43	28.7	0.01	28.71	7.90	0.07	7.97	15.70	0.1	15.8	920.0	0.08	920.08
A4	NW	4.7	63.50	0.03	63.53	28.3	0.01	28.31	8.00	0.10	8.10	17.70	0.1	17.8	920.0	0.05	920.05
A5	E	2.1	60.60	0.07	60.67	29.5	0.05	29.55	8.40	0.20	8.60	14.70	0.2	14.9	920.0	0.1	920.1
A6	NE	9.2	60.10	0.01	60.11	28.3	0.01	28.31	9.30	0.10	9.40	15.50	0.09	15.59	920.0	0.02	920.02
A7	SE	6.2	61.70	0.01	61.71	27.4	0.01	27.41	8.50	0.09	8.59	15.00	0.1	15.1	920.0	0.03	920.03
A8	S	5.3	61.80	0.01	61.81	29.5	0.01	29.51	8.70	0.07	8.77	15.50	0.06	15.56	920.0	0.03	920.03

Further, the Committee informed the Proponent to install continuous air quality monitoring system within the project site, pneumatic conveyor system for bag filter, to provide secondary de-dusting system, to install fume extraction system, to install separate power meter for scrubber, to install spark arrestor, to concrete internal roads, to provide local employment, to provide additional plantation, to provide separate pipe for treated water supply, to harvest solar energy. The Proponent agreed for all.

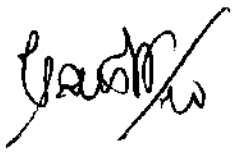
Further, the Proponent informed the Committee that for the drains they would maintain a suitable buffer and green belt would be developed in the buffer zone and all-round the plant area.

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

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

1. Approach roads & inter roads to be concreted.
2. A thick 5 row green belt all along the boundary to be developed.
3. Get the approval for Onsite emergency plan from concerned authority.
4. Metal scrap contaminated with oil & grease shall be avoided. If required to be used after degreasing.
5. To develop road network, drains, recharge pits, guard ponds, silt ponds in the premises with suitable quantity.
6. Air & Noise Pollution prevention measures to be adopted so that, no complaint from nearby habitat.
7. Water high Cycle of concentration (COC) to be maintained.
8. First priority to be given to local employment and local community and comply to Sarojini Mahishi report.
9. To provide water jacketed duct or flash arrestors for IF chimney to prevent fire from flue gas.
10. To provide both top & side suction ducts followed by bag filter or scrubbers to ensure no emission during charging and melting.
11. To install Continuous emission monitoring to the chimneys and record the data in real-time.
12. ZLD to be adopted.
13. Porous fencing of 10m height at all around the boundary to be constructed to prevent dust emanating from the premises.
14. To provide Pneumatic conveyor system for bag filter and secondary de-dusting system.
15. To provide separate pipe line for treated water supply.
16. 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.



317.2.2 Residential Apartment with club house and C.A site Project at Gunjur Village, Varthur Hobli, Bangalore East Taluk, Bangalore District by M/s. Sanjeevini Properties Pvt. Ltd. – Online Proposal No.SIA/KA/INFRA2/493643/2024 (SEIAA 93 CON 2024)

About the project:

Sl.No.	Particulars	Information Provided by Proponent
1	Name & Address of the Project Proponent	M/s. Sanjeevini Properties Private Limited, No.08, Narayananappa Garden, Whitefield, Bengaluru East, Bangalore- 560066
2	Name & Location of the Project	Residential Apartment with club house and C.A site project at Sy.Nos.116/2, 116/5, 116/13, 116/14, 116/15, 117/6, 117/7, 117/9 & 117/14 of Gunjur Village, Varthur Hobli, Bangalore East 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 and C.A site project Category 8(b) 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)	33,664.50
7	Built Up area (Sqm)	1,61,005.21
8	FAR • Permissible • Proposed	 3.26 3.26
9	Building Configuration [Number of Blocks/Towers/Wings etc., with Numbers of Basements and Upper Floors]	Block - A, B, C, D, E & club house in 2B+G+23UF
10	Number of units/plots in case of Construction/Residential Township /Area Development Projects	No. of Units: 716 units
11	Height Clearance	Justification: M/s Disha Habitat is in same color zone of proposed project which is at an aerial distance of 4.16 km and constructing for an height of 101.25 m and proposed building height is 81.10 mtr.
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	200,000	Cum
a	For Backfilling	75,000	Cum
b	Top soil requirement for landscape development on natural earth and podium	55,000	Cum

		c	Earth used for formation of internal roads	70,000	Cum

14	Details of Land Use (Sqm)		
a.	Ground Coverage Area	9,574.66 Sqm	
b.	Kharab Land	75.88 Sqm	
c.	Total Green belt on Mother Earth	9,814.25 Sqm	
d.	Internal Roads	12,169.7 Sqm	
e.	Paved area		
f.	Others Specify	C.A. Site Area - 1659.18 Road widening area - 175.46 Sqm Encroachment area - 404.98 Sqm Area under existing road - 294.02 Sqm	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA	
h.	Total	33,664.50 Sqm	
15	WATER		
I.	Construction Phase		
a.	Source of water	BWSSB STP treated water/Nearby STP treated water	
b.	Quantity of water for Construction in KLD	50 KLD	
c.	Quantity of water for Domestic Purpose in KLD	8 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	320
		Recycled	220
		Total	540
b.	Source of water	BWSSB	
c.	Wastewater generation in KLD	486	
d.	STP capacity and Area required	STP capacity	500 KLD
		Area required	500 Sqmt
e.	Technology employed for Treatment	SBR Technology	
f.	Scheme of disposal of excess treated water if any	Excess 266 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	60 cum, 120 cum, 120 cum of collection sump is provided Area required for Rain water tank is 300 Sqmt	
b.	No's of Ground water recharge pits	20 Nos.	
17	Storm water management plan	We have provided 300m3 of roof water collection sump. The quantity of storm water produced within the site will be directed to recharge pits of 20 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 The proposed project site some portion consists of some old shed which can be dismantled, Only Small quantity of C & D waste generated will be will be utilized within project site for paved areas.	
	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	960 kg/day
			Mode of Disposal	Biodegradable waste will be processed in organic waste converter
			Capacity of facility	960 kg/day of capacity
			Area required	20 Sqmt
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity	651 kg/day
			Mode of Disposal	Non- Biodegradable waste Handed over to authorized vendors
			Area required	15 Sqmt
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity	150-180 lts
			Mode of Disposal	Handed overto PCB authorized recycler
			Area required	10 Sqmt
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity	200 kg/year
			Mode of Disposal	Handed overto PCB authorized recycler
			Area required	10 Sqmt
19		POWER		
	a.	Total Power Requirement -Operational Phase	3811 KW	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	750 KVA X 3Nos.	
	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	10.0%	
20		PARKING		
	a.	Parking Requirement as per norms(ECS)	1169	
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report on SH -35 is B	
	c.	Internal Road width (RoW)	8.0	
21		CER Activities	Infrastructure development of nearby government school & hospital & plantations around the project site	
22		EMP (Details and capital cost & recurring cost)	Construction phase	Rs. 120.0 lakhs
			Operation phase	Rs. 1199.0 lakhs

The Committee initially sought details of present site condition as per KML. Proponent informed the Committee that they had constructed temporary security shed for securing the land and had not carried out any other work. The Committee noted the clarification.

The proposal is for construction of residential development project in an area earmarked for residential use as per zoning regulation of BDA. For the proposed project SEAC had issued ToR on 19.08.2024.

The Committee during appraisal sought details regarding drain as per village map and provisions made for harvesting rainwater in the proposed area. The Proponent informed the Committee that the tertiary drain in south eastern side is outside the buffer zone at a distance of 40mtr to the site. Regarding harvesting rainwater, the Proponent has informed the Committee that they have proposed rainwater storage structures of 2x120 cum & 60 cum capacities for runoff from rooftop, hardscape and landscape areas with 20 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 425 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 incorporate tertiary treatment of 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 rainwater storage structure of 2x120cum&60cum and 20 recharge pits.
5. To grow 425 trees in the early stage before taking up of construction.
6. To carry out community recharge of bore wells in the vicinity of the site
7. To construct lead of drains till the natural drains/water body for handling excess water.
8. To explore the possibilities to have 100% battery backup instead of DG sets or to incorporate catalytic converter for DG sets with dual fuel option.
9. To install smart water meters with aerators for individual units to conserve water.
10. To incorporate additional dust control measures during construction.
11. To provide bellmouth entry/exist from the approach road.
12. 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.

317.2.3 Mixed Development Consisting of Commercial Office, Biotech, Retail, Hospital, Hotel, MLCP & Residence Namely 3600 Business Park (Formerly Known as Bengaluru Life Sciences Park) Project at Doddathoguru Village, Electronics City Phase-1, Begur Hobli, Bangalore South Taluk, Bangalore Urban District by M/s. Labzone Electronics City Pvt. Ltd. – Online Proposal No.SIA/KA/INFRA2/491476/2024 (SEIAA 60 CON 2024)

About the project:

Sl.No.	Particulars	Information Provided by Proponent
1	Name & Address of the Project Proponent	M.M. Chengappa M/s. Labzone – Electronics City Pvt. Ltd. Opp. Wipro Gate No. 14, Electronics City Phase 1, Bangalore – 560 100
2	Name & Location of the Project	Expansion and Modification of Mixed Development Consisting of Commercial Office, Biotech, Retail, Hospital, Hotel, MLCP & Residence namely "360^0 Business Park (Formerly Known as Bengaluru Life Sciences Park)" at Survey Nos 53/5P, 54, 55/2, 59/3A, 73, 74/1, 74/2, 74/3, 74/4P, 74/5P, 74/7, 75/1P, 76/1,76/2, 76/3, 76/4, 77/1, 77/2, 77/3, 77/4, 78/1P, 78/2, 78/3, 82/1, 82/2, 82/3, 83/1, 83/2, 83/3 of Doddathoguru Village, Electronics City Phase-1, Begur Hobli, Bangalore South by M/s. Labzone – Electronics City Pvt. Ltd.
3	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Commercial Office, Biotech, Retail, Hospital, Hotel, MLCP& Residence Category 8(b) as per EIA Notification 2006.
b.	Residential Township/ Area Development Projects	
c.	Zoning Classification	Industrial zone as per CDP
4	New/ Expansion/ Modification/ Renewal	Expansion
5	Water Bodies/ Nalas in the vicinity of the project site	In the project site area two tertiary drains (nalas), one situated within the property and another extending to the western boundary. To protect these drainage features and maintain environmental integrity, a 15-meter buffer zone has been established around each nala.
6	Plot Area (Sqm)	2,13,218.72 Sqm
7	Built-Up area (Sqm)	7,72,369.86 Sqm
8	FAR • Permissible • Proposed	 2.25 2.25
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Building Configuration: T1A – 3B +G+14UF+TF T1B – 3B +G+14UF+TF T2 – 2B+G+14UF+TF T3 – 2B+G+14 UF+TF T4 – 3B+G+10 UF+TF

		T5A	3B +G+13UF+TF
		T5B	3B +G+13 UF+TF
		T6A	2B+G+7UF+TF
		T6B	2B+G +8UF+TF
		T7A (Hotel)	2B+G +9UF+TF
		T7B	2B+G+6UF+TF
		T8A	G+4UF+TF
		T8B	G+7UF+TF
		Hospital	Basement + Lower Ground+G+8 UF+TF
		Retail	G+TF
		Residence	G + 2UF + TF
		Amenity Block	G + 1 UF + TF
10	Number of units/plots in case ofConstruction/Residential Township /Area Development Projects		
11	Height Clearance	As per CCZM permissible height is 1035m AMSL and proposed maximum height is 1023m AMSL	
12	Project Cost (Rs. In Crores)	765 Crores	
13	Quantity excavated earth & its management		

ALL TOWERS EXCAVATION & BACK FILL QTY DETAILS

Sl No.	Description of work	No.	Length/AREA	B	D	TOTAL QTY	QTY OF BACK FILLING	EXCESS SOIL	Top Soil
1	TOWER AREA								
	(a) Tower 1A & 1B (3 BASEMENTS)	1	17,264.34		7.20	1,24,303.25	74,581.95	32,456.96	17,264.34
	(b) Tower 4 (3 BASEMENTS)	1	9,629.10		7.20	69,329.52	41,597.71	18,102.71	9,629.10
	(c) Tower 5A & 5B (3 BASEMENTS)	1	19,086.49		7.20	1,37,422.73	82,453.64	35,882.60	19,086.49
							-		
							-		
	TOWER AREA						-		
	(a) Tower 6A & 6B (2 BASEMENTS)	1	8,984.44		5.00	44,922.20	26,953.32	8,984.44	8,984.44
	(b) Tower 7A & 7B (2 BASEMENTS)	1	7,549.47		5.00	37,747.35	22,648.41	7,549.47	7,549.47
	(c) Tower 3 (2 BASEMENTS)	1	6,419.69		5.00	32,098.45	19,259.07	6,419.69	6,419.69
							-		
							-		
			Total			4,45,829.50	2,67,494.10	1,09,395.87	68,933.53

Top fertile soil will be stored separately and used for the development of the landscape. The rest of the soil will be used for backfilling and remaining soil will be used to fill the abandoned queries or low laying areas.

14	Details of Land Use (Sqm)		
a.	Ground Coverage Area	57,031.54 sq m	
b.	Net site area after Road widening and		

		CA deduction	
	c.	Total Green belt on Mother Earth	77,091.21 Sqm
	d.	Internal Roads	59,497.29 Sqm
	e.	Paved area	
	f.	Others Specify (open spaces)	21,321.87 Sqm
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	
	h.	Total (a+c+d+e+f)	2,13,218.72 Sqm
15		WATER	
	I.	Construction Phase	
	a.	Source of water	Construction purpose: Tanker/Treated water from STP Domestic purpose: Tanker
	b.	Quantity of water for Construction in KLD	30 KLD
	c.	Quantity of water for Domestic Purposes in KLD	4.5 KLD
	d.	Wastewater 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	2,490 KLD
	b.	Source of water	ELCITA
	c.	Wastewater generation in KLD	2,415 KLD
	d.	STP capacity and Area required	14 STPs of capacity 410 KLD, 70KLD, 245 KLD, 230KLD, 230 KLD, 170 KLD, 200KLD, 220 KLD, 220KLD, 120 KLD, 150 KLD, 150 KLD, 50 KLD, & 80 KLD Capacity totaling 2,525 KLD & 1 ETP of 25 KLD
	e.	Technology employed for Treatment	MBR
	f.	Scheme of disposal of excess treated water if any	Used for Flushing, Gardening, and non-potable use.
16		Infrastructure for Rainwater harvesting	
	a.	The capacity of sump/tank to store Roof & Hardscape/softscape runoff	2,635 m^3
	b.	No's of Groundwater recharge pits	85 No's
17		Storm water management plan	2,635 KLD storage tank is provided to store rain water. Water stored in storage tank will be used for firefighting and domestic purpose after treatment.
18		WASTE MANAGEMENT	
	I.	Construction Phase	
	a.	Quantity of Construction & Demolition waster and its management.	Demolition Waste: 0 construction Waste: 46,342 T

Composition of C&D waste	Quantity of waste	Percentage	Management
Soil, Sand & gravel	16,683	36	Used as filling

			Bricks & Masonry	14,366	31	material in roads
			Concrete	11,586	25	Crushed and used for making building blocks
			Metals	2,317	5	Sent for rerolling
			Wood	927	2	Segregated and stored separately on site and disposed to authorised vendors as per Constructi on and Demolition waste 2016
			Others	463	1	
			Total	46,342	100	
	b.	Quantity of Solid waste generation and mode of Disposal other than C&D.	Solid waste due during construction will be generated by the labors involved in construction. The waste generated will be segregated into organic and in organic waste into dry and wet bins. The organic waste will be dried and used for landscaping and inorganic waste will be disposed to the authorized vendors. Organic waste: 12 kg/day Inorganic waste: 8 kg/day Total waste: 20 kg/day			
	II.	Operational Phase				
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms (Capacity of OWC & Area required)	Quantity: 7,488 kg/day Mode of Disposal: Dried in Organic waste Converter and used as manure Capacity of facility: 1000 kg/day Area required:400 Sq. m			
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity: 4,991 kg/day Mode of Disposal: Disposed to authorized vendors. Area required: 250sq m			
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity:18 KL per annum of used oil and 4 Mode of Disposal: KSPCB authorized recycler Area required: 200sq m			
	d.	Quantity of E-waste generation and mode of Disposal as per norms	Quantity: NA Mode of Disposal: Area required:			
19		POWER				
	a.	Total Power Requirement -Operational	46 MVA			

		Phase	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	30 x 2000 KVA, 6 x 2250 KVA, 3 x 750 KVA, 6 x 1010 KVA, 3 x 625 KVA, 3 x 1500 KVA, 250 KVA
	c.	Details of Fuel used for DG Set	Low Sulphur Diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Percentage of savings: 11.68 % Energy conservation will be achieved by Power Saving In Solar System, Power Saving In Water Pumping, and Power Saving In Common Facility.
20		PARKING	
	a.	Parking Requirement as per norms(ECS)	9568 CARS
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Existing: A "Excellent" Post construction: B "Very Good" Since Government has proposed Road widening, this project might not affect more to the traffic.
	c.	Internal Road width (RoW)	6 m
21		CER Activities	To provide infrastructure works to near by Govt. Schools and Govt. Hospitals.
22		EMP (Details and capital cost & recurring cost)	• Construction phase:

S. No	Component	Particulars	Estimated Cost in lakhs	Recurring Cost in Lakhs
1.	Occupational Health-Personal Protective Equipment	Safety Helmet, Safety Shoes, Reflective Vest, Dust mask, Ear plug, Ear Muff, Safety Goggles, Hand gloves, Full Body harness, Toilets, first aid room, RO water etc.,	5 lakhs	1 lakhs
2.	Air Pollution Control	DG sets – stack, barricades, water sprinkling	3 lakhs	1.5 lakhs
3.	Noise Pollution	Acoustic Enclosure for D.G. sets	1 lakhs	0.50 lakhs
4	Energy Conservation	Installationofsolar street lights, LED lightsetc.,	3 lakhs	1 lakhs
5	Water	Mobile STP /	3	1

	Pollution	Septic tank followed by soak pit	lakhs	lakhs
6	Environmental Monitoring	Ambient Air, Noise, Soil, Treated & untreated water.	1 lakhs	0.50 lakhs
7	Waste Management	Disposal of Spent oil to authorized recycler.	1.0 lakhs	1.0 lakhs
			17 Lakhs	**6.5 Lakhs**

- Operation phase

Sl. No.	Description	Financial provisions (Rs in Lakhs)	
		Capital Cost	Recurring cost
01	Construction of Sewage Treatment Plant	20	0
02	Operation of Sewage Treatment Plant/annum	0	2
03	Rain Water Harvesting Tanks & its facilities	10	1
04	DG Sets	200	1
05	Landscaping	15	0.5
06	Solid Waste Management	188	5
07	Environment Monitoring Plan (Air, Noise, Water, Soil & Solid waste)	-	2
	Total	**433**	**11.5**

The proposal is for expansion and modification of commercial (mixed use) development project for which EC was issued earlier by SEIAA on 17.10.2023 for BUA of 1,49,625.58 Sqm in plot area of 2,13,218.72 Sqm and it is proposed for BUA of 7,72,369.86 Sqm with no change in plot area, for which ToR was issued by SEAC on 27.06.2024. The Proponent had obtained Certified Compliance Report (CCR) from MoEF&CC dated 18.03.2024 informing that the tower 2 had been completed and other tower was partially completed and for the ongoing construction they had obtained CFE from KSPCB dated 20.12.2023 and approved plan from ELCITA on 20.10.2023 and submitted architect certificate dated 21.08.2024 & 22.08.2024 informing that BUA of 1,00,314 Sqm, 15,810 Sqm is completed and BUA of 15,490 Sqm is ongoing with reference to the earlier EC.

The Committee during appraisal sought details regarding water body, drain, foot kharab as per village map and provisions made for harvesting rain water in the proposed area. The Proponent informed the Committee that for the water body in south west, buffer of 30mtr is left from the edge of the water body and for all the tertiary drains inside and adjacent to the project boundary buffer of 15mtr is proposed from center of drain on either sides and for foot kharab inside the site area is left as it is with free public access. For harvesting rain water, the Proponent has informed the Committee that they have proposed rainwater storage structure of 2,635 cum capacity for runoff from rooftop, hardscape and landscape areas and with 85 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 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 2,665 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 incorporate tertiary treatment of 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. To provide rainwater storage structure of 2,635cum and 85 recharge pits.
6. To grow 2665 trees in the early stage before taking up of construction.
7. To carry out community recharge of bore wells in the vicinity of the site
8. To construct lead of drains till the natural drains/water body for handling excess water.
9. To explore the possibilities to have 100% battery backup instead of DG sets or to incorporate catalytic converter for DG sets with dual fuel option.
10. To install smart water meters with aerators for individual units to conserve water.
11. To incorporate additional dust control measures during construction.
12. To provide bellmouth entry/exist from the approach road.
13. 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.

317.2.4 Expansion of Residential Apartment Project at Bengaluru East Taluk, Bengalur Urban District by M/s. G Corp Homes Pvt. Ltd.– Online Proposal No.SIA/KA/INFRA2/494306/2024 (SEIAA 57 CON 2024)

About the project:

Sl.No	Particulars	Information Provided by PP
1	Name & Address of the Project Proponent	M/s. G Corp Homes Pvt. Ltd., 7th Floor, SKAV 909 Lavelle, Lavelle Road, Richmond Circle, Bengaluru, Karnataka-560001
2	Name & Location of the Project	Residential Apartment Project – Expansion Khata No.13/2, Thanisandra Ward No.6, Thanisandra main Road, comprising of Sy.Nos.47/1(P), 47 /2(P), 48/1(P), 48/2(P), 48/4, 48/5, 48/6(P), 48/7, 48/8(P), 48/9, 49/2(P), 50/2(P), 51(P), 52/1, 52/2, 52/7, 52/8, 53, 54/1, 54/2, 54/3, 54/4, 55/1, 55/2, 55/3, 55/4, 55/5(P), 55/6(P), 55/7(P), 55/8, 55/9(P), 56/1, 56/2(P), 56/3(P), 56/ 4(P), 58/2, 59/2 and 60/1 of Bengaluru East Taluk, Bengaluru
3	Type of Development	
a.	Residential Apartment/Villas/Row Houses/Vertical Development/ Office /IT/ITES/Mall/Hotel/ Hospital /other	Residential Apartments
b.	Residential Township/ Area Development Projects	--
c	Zoning Classification	The Land Use as per BDA RMP 2015 is Residential. The Land Use is converted for Residential Purpose by the Landowner
4	New/ Expansion/Modification/ Renewal	Expansion
5	Water Bodies/ Nalas in the vicinity of project site	As per the Thanisandra Village Two Nalas are seen passing through the project site and the same are rerouted along the Western boundary of the project site. Required permission is obtained for rerouting the Nala. Nala is also near the Southern and Eastern boundary of the project site. Required buffer zone is earmarked along the Nalas as per Bengaluru Development Authority Zonal regulations. There will be no construction on the Nala and the Buffer zone within the project site. Buffer as per BDA zonal regulation is earmarked and shall be No Development Zone. Local and Fast-growing trees are proposed to be planted in the Buffer Zone.
6	Plot Area (Sqm)	80,025.91Sq.m
7	Built Up area (Sqm)	4,70,000.00 Sq.m
8	FAR Permissible Proposed	 3.0 3.495 (Including TDR Loading)

9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	**Construction Completed:** Tower A and B - 2 Basement Floors + Ground Floor + 17 Upper Floors Tower 2B (Club House) - 2 Basement Floors + Ground Floor + 2 Upper Floors Tower C, D, E & F - 2 Basement Floors + Ground Floor + 27 Upper Floors + Terrace Floor **Ongoing Construction** Tower G & H (Tower 7 & 6) - 2 Basement Floors + Ground Floor + 28 Upper Floors + Terrace Floor Tower I (Tower 5) - Ground Floor + 28 Upper Floors + Terrace Floor **Proposed Expansion** Tower J, K, L & M (Tower 4, 3, 2 & 1) – 3 Basement Floors + Ground Floor + 40 Upper Floors + Terrace Floor
10	Number of units/plots in case of Construction/Residential Township /Area Development Projects	2,100 Dwelling Units
11	Height Clearance	130m
12	Project Cost (Rs. In Crores)	912 Cores
13	Quantity excavated earth& its management	It is estimated that about 42,000cum of earth shall be excavated using latest hi-tech earth moving machinery. Top earth of about 7,800 cum shall be stored and used for landscaping. About 6,500 cum of excavated soil will be used for Roads and walkways. About 8,200cum will be used for backfilling and remaining 19,500cum shall be used for manufacturing soil stabilized cement blocks which will used within the project for construction of non-load bearing walls, compound walls, curbstone, pavers, etc. No excavated earth shall be taken out of the project site for disposal.
14	Details of Land Use (Sqm)	
a.	Ground Coverage Area	14,925.07Sq.m
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	24,095.93 Sq.m
d.	Internal Roads	37,912.378 Sq.m (Including Future Development Area)
e.	Paved area	
f.	Others Specify – Kharab and CDP Road Area	3,092.54 Sq.m
g.	Parks and Open space in case of Residential Township/ Area Development Projects	--
h.	Total	80,025.918 Sq.m
15	WATER	
I.	Construction Phase	
a.	Source of water	Treated water from STP set-up for Labour camp

			at or near Project site	
	b.	Quantity of water for Construction in KLD	10 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	20 KLD	
	d.	Waste water generation in KLD	17 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	20 KLD STP	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	944
			Recycled	472
			Total	1,416
	b.	Source of water	Bengaluru Water Supply and Sewage Board (BWSSB), Rooftop Rainwater & Treated Water	
	c.	Waste water generation in KLD	1,133 KLD	
	d.	STP capacity& Area required	1,430 KLD STP (190 KLD + 45 KLD + 50 KLD – Completed + 80 KLD + 665 KLD – Ongoing + 400 KLD Proposed New)	
	e.	Technology employed for Treatment	Sequencing Batch Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	Treated water will be used for toilet flushing, landscaping, etc.	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	1000 cum	
	b.	No's of Ground water recharge pits	55	
17		Storm water management plan	Garland drains with 55 recharge pits are proposed.	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Construction & Demolition waster and its management.	40 kg/m2 of constriction waste is expected to be generated, quantifying the total construction waste to 5,146Tones. Waste during construction activity relates to excessive cement mix or concrete left after work is over, rejection caused due to change in design or wrong workmanship etc, concrete appears in two forms in the waste. Structural elements of building have reinforced concrete, while foundations have mass non-reinforced concrete. The construction waste shall be segregated at the project site into recyclable and non-recyclable waste. The recyclable waste shall be sold to local recyclers and the non-recyclable waste shall be disposed to authorized disposal sites identified as per the Construction and Demolition Waste Management Rules 2016. Other miscellaneous material during construction that arise as waste includes glass, plastic material, general refuse, scrap metal, cardboard, plastics etc. will be segregated and disposed to authorized recyclers.	
	b.	Quantity of Solid waste generation and	20kg/day of solid waste shall be disposed through	

		mode of Disposal other than C & D.	MCC waste management contractors
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms (Capacity of OWC & Area required)	Quantity: 1,838kg/day Mode of Disposal: Composed within the project campus Capacity of facility: 2,000kg/day Area required: 180Sq.m
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity: 2,758kg/day Mode of Disposal: segregated and sold to Local Authorized Recyclers Capacity of facility: 3,000kg/day Area required: 110Sq.m
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity: 2,000 kg/annum Mode of Disposal: Will be handed over to KSPCB Authorized Agencies Area required: 20Sq.m
	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 KSPCB Authorized Agencies Area required: 10Sq.m
19		POWER	
	a.	Total Power Requirement - Operational Phase	9,500KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500KVA x 6 Nos + 250KVA x 1No. + 160KVA x 1No. + 625KVA x 3Nos + 100KVA x 1No + 50KVA x 2Nos.
	c.	Details of Fuel used for DG Set	High Speed Diesel (HSD)
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	a.Timer based External Lights b.BEE Star rated electromechanical systems shall be used in the development. c.Solar Water Heating systems for top 2 floor dwelling units d.Use of HF ballast for lighting e.Use of LED light fittings f.Building Orientation; Cross Ventilation. Total Savings – 29.78%
20		PARKING	
	a.	Parking Requirement as per norms	3,220 Nos.
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Thanisandra- C Outer Ring Road–C
	c.	Internal Road width (RoW)	8m
21		CER Activities	1.Implementation of EMP During Construction Stage, 2.Implementation of EMP During Operation Stage (Including Pollution Control System), 3.Community Tree Plantation, 4.Desilting and Maintenance of Nala near project site.
22		EMP (Details and capital cost & recurring cost)	Construction Phase: Capital Investment – 107.69 Lakhs

		Recurring Cost – 10.39 Lakhs/ Annum Operation Phase: Capital Investment – 7.52 Lakhs Recurring Cost – 39.70 Lakhs/ Annum

The proposal is for expansion and modification of residential development project for which EC & a corrigendum was issued earlier by SEIAA on 01.10.2021 & 08.03.2023 for BUA of 3,41,359.56 Sqm in plot area of 80,025.91 Sqm and presently proposed for BUA of 4,70,000.00 Sqm and with no change in plot area, for which ToR was issued by SEAC on 27.06.2024. The Proponent had obtained Certified Compliance Report (CCR) from MoEF&CC dated 30.05.2024 informing that the part of project was in construction phase and part was in operation phase and for the ongoing construction they had obtained CFE from KSPCB dated 10.04.2023 and for completed project CFO from KSPCB on 01.12.2022 and had obtained approved plan from BBMP on 05.10.2023 and submitted architect certificate dated 20.06.2024 informing that in phase-I 1.67 lakhs Sqm is completed, in phase-II 0.63 Lakhs Sqm is under construction with reference to the earlier EC and in phase-III 2.38 Lakhs Sqm BUA is proposed for modification and expansion.

The Committee during appraisal sought details regarding drains as per village map, sensitive zone, road & H/T line as per zoning map and provisions made for harvesting rainwater in the proposed area and FAR details. The Proponent informed the Committee that they had obtained reroute orders from DC for rerouting the drain on 10.12.2011 and for the tertiary drains inside the project site area, buffer of 15 mtrs is proposed on either side from center and for the secondary drain in southern side, buffer of 25 mts is proposed from the center of drain. Regarding sensitive zone, Proponent informed that they had already obtained plan approval for constructing road from BBMP in the area demarcated as sensitive zone and no building is proposed in the sensitive zone area and for H/T line in north, they had left buffer of 9 mts on either side of H/T line and 18 mtr wide RMP road is left as it is in the proposed project. Regarding harvesting rainwater, the Proponent has informed the Committee that they have proposed rainwater storage structures of 1,000 cum capacity for runoff from rooftop, hardscape and landscape areas and with 55 recharge pits within the site area. Proponent informed the Committee that an area of 11 Guntas inside the site area is left as its and was not part of proposed development due to documentation issue.

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 1580 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 incorporate tertiary treatment of 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. To provide rain water storage structure of 1,000cum and 55 recharge pits.
6. To grow 1580 trees in the early stage before taking up of construction.
7. To carry out community recharge of bore wells in the vicinity of the site
8. To construct lead of drains till the natural drains/water body for handling excess water.
9. To explore the possibilities to have 100% battery backup instead of DG sets or to incorporate catalytic converter for DG sets with dual fuel option.
10. To install smart water meters with aerators for individual units to conserve water.
11. To incorporate additional dust control measures during construction.
12. To provide bellmouth entry/exist from the approach road.
13. 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.

317.2.5 Residential Apartment Project at Bidareagrahara Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban Disrict by M/s. Spectra Constructions Pvt. Ltd. – Online Proposal No.SIA/KA/INFRA2/469604/2024 (SEIAA 103 CON 2024)

About the project:

Sl.No.		Particulars	Information Provided by Proponent
1		Name & Address of the Project Proponent	Mr.C. Chandrashekar, Managing Director M/s. Spectra Constructions Pvt. Ltd. No.5, 1st Floor, 9th Cross, Indiranagar 1st Stage Bangalore -560038
2		Name & Location of the Project	M/s. Spectra Constructions Pvt. Ltd. Sy. No's.24/1, 24/2, 27/1 & 27/2 situated at Bidare Agrahara Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru Urban District - 560049
3		Type of Development	
	a.	Residential Apartment/Villas/Row Houses /Vertical Development/ Office /IT/ITES/Mall/Hotel/Hospital /other	Proposed High Rise Residential Apartment Building, 8 (a)
	b.	Residential Township/ Area Development Projects	NA
	c.	Zoning Classification	Residential
4		New/ Expansion/ Modification/Renewal	New
5		Water Bodies/ Nalas in the vicinity of project site	Cheemasandra Lake - located at the distance of 1.05Km (NW) from the Project boundary. Nimbekaipura Lake - located at the distance of 1.63Km(N) from the Project boundary. Kattamnallur Lake -located at the distance of 1.43Km (NE) from the Project boundary. Chinnagenahalli Lake - located at the distance of 350m (SW) from the Project boundary. Seegehalli Lake -located at the distance of 2.23Km

		(SW) from the Project boundary. Hoskote kere - located at the distance of 3.5Km (NE) from the Project boundary. Tertiary Drain - Left 15 m (W) buffer from the construction line to the center of the drain. Tertiary Drain - Left15 m (SE) buffer from the construction line to the center of the drain.
6	Plot Area (Sqm)	21498.75Sqm
7	Built Up area (Sqm)	67653.07Sqm
8	FAR • Permissible • Proposed	2.24< 2.25
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	The proposed project is for construction of Residential Apartment Building in 3 Towers each having building configuration of 2B+G+20UF with 331 flats and club house.
10	Number of units/plots in case of Construction/Residential Township /Area Development Projects	331 flats - 3 tower 2B+G+20 UF
11	Height Clearance	63 m
12	Project Cost (Rs. In Crores)	Rs. 120 Crores
13	Quantity excavated earth & its management	Excavated earth of 43821.12 cum The earth excavated generated from the project site will be utilized within the project premises for back filling, gardening road and walkway and construction of compound wall.

14	Details of Land Use (Sqm)		
a.	Ground Coverage Area		3395.71Sqm
b.	Kharab Land		-
c.	Total Green belt on Mother Earth		9546.03Sqm
d.	Internal Roads		8557.01Sqm
e.	Paved area		
f.	Others Specify		-
g.	Parks and Open space in case of Residential Township/ Area Development Projects		-
h.	Total		21498.75Sqm
15	WATER		
I.	Construction Phase		
a.	Source of water		Tankers
b.	Quantity of water for Construction in KLD		15 KLD
c.	Quantity of water for Domestic Purpose in KLD		2.7 KLD
d.	Waste water generation in KLD		2.16 KLD
e.	Treatment facility proposed and scheme of disposal of treated water		The total domestic wastewater generated during construction phase will be treated in mobile STP and the treated water will be used for periphery landscaping developing the area.
II.	Operational Phase		

	a.	Total Requirement of Water in KLD	Net fresh water requirement	201 KLD
			Recycled water for flushing	101KLD
			Total water requirement	302 KLD
	b.	Source of water	Bore well and Rainwater harvesting	
	c.	Wastewater generation in KLD	242 KLD	
	d.	STP capacity and Area required	250 KLD	
	e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR)	
	f.	Scheme of disposal of excess treated water if any	The sewage generated during the operation phase will be treated in Sewage Treatment Plant (STP) of capacity 250 KLD. The entire (95%) treated sewage from STP, 101KLD will be recycled/ reused for toilet flushing, 30 KLD for internal driveway and Pavement maintenance, 40 KLD for Common & floor area maintenance, 10 KLD for Car washing and 49 KLD landscaping within the project site.	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump/tank to store Roof & Hardscape/soft scape run off	Provided roof rainwater sump capacity is 300 Cum	
	b.	No's of Ground water recharge pits	23 Nos. of recharge pits are proposed to harvest paved area runoff of 1.2 m Dia & 2.4 m Depth. 27 Nos. of recharge pits are proposed to harvest runoff from landscape of 1.2 m Dia& 2.4 m Depth.	
17		Storm water management plan	Carrying capacity of internal drain = 1.39 m^3/sec. So carrying capacity of internal garland drain is adequate i.e., greater than 0.22 m3/sec so design is safe	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Construction & Demolition waster and its management	Demolition Waste:- NA Construction Waste: 1691.32MT Sand Gravels of 643 MT, Brick with Masonry-354 MT, Concrete- 556.3 MT has been utilized in the formation of Pavement/ walking path area and Landscape area. The metal and wood scrap of 84 MT utilized for the formation of landscape area.	
	b.	Quantity of Solid waste generation and mode of Disposal other than C&D.	6 Kg/day Handed over to authorized vendors.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms (Capacity of OWC & Area required)	Quantity: 630.7 kg/day Mode of Disposal:Composting by using organic waste Converter (OWC) converted as manure & used for landscaping within the project site Capacity of facility: 640 kg/day Area required: 20 Sqm	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity: 414.65 kg/day Mode of Disposal: Hand over to Authorized Recyclers for further process Area required: 8 Sqm	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as	Quantity: 0.2KLPA Mode of Disposal: Disposed as per the Hazardous	

		per norms	& other waste (Management & Trans boundary) movement rules 2016. Hand over to KSPCB Authorized Hazardous waste Recyclers for further process. Area required: 6 Sqm
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity: 0.08MTPA Mode of Disposal: Hand over to KSPCB Authorized e waste recycler for further process. Area required: 5 Sqm
19		POWER	
	a.	Total Power Requirement - Operational Phase	Transformer capacity 1950KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500KVA X 1Nos
	c.	Details of Fuel used for DG Set	HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation using solar water heater, VFD for pump and STP, VFD for lifts, solar external lighting and LED lights. Percentage of savings : 25.14%
20		PARKING	
	a.	Parking Requirement as per norms (ECS)	404Nos
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	B
	c.	Internal Road width (RoW)	8m
21		CER Activities	• Carrying avenue plantation across the service road – 6.50 lakhs within the period 18 months • Providing RO facility for safe Drinking water to the Government School Students of Bandapura which is located 290m(NW) from the project site - 6.75lakhs within 12 months • Providing Sanitation facility to the Government Primary School Bandapura which is located 290m(NE) from the project site 8.50 lakhs – within 18 months **Total 21.75 Lakhs**
22		EMP (Details and capital cost & recurring cost)	• Construction phase: Galvanized iron barricade sheet all-round the site-12.42 lakhs, Purchase of tanker water for Construction-9.6 lakhs, Occupational health and safety of workers 5 lakhs, Operational Mechanism of equipment's and machineries 6lakhs, Plantations of saplings around the periphery and maintenance-1.10 lakhs, Environmental Monitoring – Air, Water, Noise-1.29 lakhs, EMP Cell-7.20 lakhs, Waste water treatment during construction phase-12 lakhs, Waste Management -3.15 lakhs, **Total 61 Lakhs**

		• Operation phase : Capital investment Sewage Treatment Plant – 80Lakhs, Rainwater harvesting facilities-15.50 Lakhs, Landscape development-14.50 Lakhs, Acoustic & Stacks for DG sets-9.25 Lakhs, Organic Waste Converter – 19.5 Lakhs, **Total 138.75 Lakhs** Recurring cost STP Maintenance-13 lakhs, Landscape Maintenance- 8.5 lakhs, Organic waste Maintenance-6lakhs, EMP Cell-4 lakhs, Environmental Monitoring-Air, Water, Noise 7.5 lakhs/ annum, **Total 39 Lakhs**

The proposal is for construction of a residential apartment project in an area demarcated as residential use as per RMP of BDA.

The Committee during appraisal sought details regarding source of water for the proposed project during operation, cart track road & drain as per village map and rainwater harvesting provisions proposed in the project. The Proponent informed the Committee that they have conducted hydrology study report from CGWA accredited consultant T. Rajendiran, informing about the availability of 201 KLD of fresh water requirement from five bore wells in the proposed project area and informed the Committee that they will obtain NoC from KGWA for digging and extraction of ground water and have sufficient rainwater harvesting structures to utilize complete rainfall within the site area. Regarding the tertiary drain inside the project area, Proponent informed that they had obtained reroute order from DC dated 18.01.2023 and have proposed buffer of 15mtr from the center of the rerouted drain and the cart track road in north east is left as it is with free public access. Regarding harvesting rainwater, Proponent informed that they have proposed a storage tank of 300 cum capacity for runoff from rooftop, hardscape and landscape areas in addition to 27 recharge pits within the site area.

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

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

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

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

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

4. To provide recharge tank of capacity 300 Cum & 27 recharge pits.
5. To grow 250 trees in the early stage before taking up of construction.
6. To provide bellmouth entry and exit in the proposed project.
7. To provide diesel generator with catalytic converter
8. To carry out community recharge of bore wells in the vicinity of the site.
9. To construct lead of drains till the natural drains/water body for handling excess water.
10. To consider the CER activity submitted by proponent with a recommendation to write to the concerned recipient about the CER activity.
11. To install smart water meters with aerators for individual units to conserve water.
12. To relocate the STP away from drain.

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

317.2.6 Residential Building Project at Kasavanahalli Village, Sarjapura Road, Varthur Hobli, Bangalore East Taluk, Bangalore Urban District by M/s. Keya Homes Pvt. Ltd. – Online Proposal No.SIA/KA/INFRA2/493830/2024 (SEIAA 64 CON 2024)

About the project:

Sl.No.	Particulars	Information Provided by Proponent
1	Name & Address of the Project Proponent	M/s. Keya Homes Pvt. Ltd. # 17, Regent Court, Ground Floor, 80ft Road, Koramangala 4th Block, Bengaluru-560034.
2	Name & Location of the Project	Residential Development Plan with club house project at Sy. No. 29/6, 30/2A, 30/2B, IAS Layout, Eastwood TWP, Kasavanahalli, Sajjapura Main Road, Bengaluru - 560035
3	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Development Plan with club house
b.	Residential Township/ Area Development Projects	NA
c.	Zoning Classification	As per CDP -2015 project site comes under High tech zone but land is converted for Residential purpose.
4	New/Expansion/ Modification/ Renewal	New
5	Water Bodies/ Nalas in the vicinity of project site	• 30m lake buffer is provided towards West. • 25m Secondary Nala buffer is provided towards West. • 15m Tertiary Nala buffer is provided towards North to West side of project site.
6	Plot Area (Sqm)	33,892.47
7	Built Up area (Sqm)	1,48,598.22
8	FAR • Permissible • Proposed	 3.60 (2.25+1.35) (including TDR) 3.59 (including TDR)
9	Building Configuration [Number of Blocks/Towers/Wings etc., with Numbers of Basements and Upper Floors]	Residential Building Towers A, B, C & D Apartment is (2B+G+24 UF)

10	Number of units/plots in case of Construction/Residential Township /Area Development Projects	No. of Units: 799 units
11	Height Clearance	Justification: M/s. Shobha Royal Pavilion is in same color zone of proposed project which is at an aerial distance of 3.62 km and having top elevation of 997.15m AMSL and proposed building to have maximum top elevation of 983.05m AMSL
12	Project Cost (Rs. In Crores)	Rs. 400.0 Cr

13	Quantity excavated earth & its management	Sl.No.	Description	Quantity	Unit
		A	Earth Work Excavation	86,000	Cum
		a	For Backfilling	35,000	Cum
		b	Top soil requirement for landscape development on natural earth and podium	25,000	Cum
		c	Earth used for formation of internal roads	26,000	Cum

14	Details of Land Use (Sqm)		
a.	Ground Coverage Area	5,253.58 Sqm	
b.	Kharab Land	3,364.04 Sqm	
c.	Total Green belt on Mother Earth	9158.53 Sqm	
d.	Internal Roads	14,589.90 Sqm	
e.	Paved area		
f.	Others Specify	C.A. Site Area – 1,526.42 Sqm	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	--	
h.	Total	33,892.47 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	50 KLD	
c.	Quantity of water for Domestic Purpose in KLD	8 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	453
		Recycled	227
		Total	680
b.	Source of water	BWSSB	
c.	Wastewater generation in KLD	620	
d.	STP capacity and Area required	STP capacity	620 KLD (425 KLD Sullage treatment plant for Grey water and 205 KLD Sewage treatment plant for Black water).

			Area required	620 Sqmt
	e.	Technology employed for Treatment	SBR Technology	
	f.	Scheme of disposal of excess treated water if any	NA	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump/tank to store Roof & Hardscape/soft scape run off	280 m3 of collection sump is provided Area required for Rain water tank is 280 Sqmt	
	b.	No's of Ground water recharge pits	31 Nos.	
17		Storm water management plan	280m3 of roof water collection sump. The quantity of storm water produced within the site will be directed to recharge pits of 31 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	904 kg/day
			Mode of Disposal	Biodegradable waste will be processed in organic waste converter
			Capacity of facility	905 kg/day of capacity
			Area required	25 Sqmt
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity	894 kg/day
			Mode of Disposal	Non- Biodegradable waste will be given to authorized vendors
			Area required	15 Sqmt
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity	110-180 lts
			Mode of Disposal	Will be given to PCB authorized recycler
			Area required	10 Sqmt
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity	350 kg/year
			Mode of Disposal	Will be given to PCB authorized recycler
			Area required	10 Sqmt
19		POWER		
	a.	Total Power Requirement -Operational Phase	3196 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 Sulphuric diesel	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	21.0%	

20	PARKING			
	a.	Parking Requirement as per norms (ECS)	834	
	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 Kasavanahalli main Road(2 lanes undivided) is A Ambalipura - Sarjapura Main road (2+2 lanes) Towards Sarjapura is B & Towards ORR is B	
	c.	Internal Road width (RoW)	8.0	
21		CER Activities	To provide infrastructure development of nearby government school & government hospital & plantations around the project site.	
22		EMP (Details and capital cost & recurring cost)	Construction phase	Rs. 150.0 lakhs
			Operation phase	Rs. 1257.0 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 at present the site is a vacant land and no construction has been started. The Committee noted the clarification given by the Proponent.

The proposal is for construction of residential development project in an area earmarked for industrial use in hi-tech zone as per zoning regulation of BDA, for which Proponent informed that they had obtained conversion of land to residential use from DC.

The Committee during appraisal sought details regarding water body, drain and foot kharab as per village map and provisions made for harvesting rainwater in the proposed area. The Proponent informed the Committee that for the water body in south western side buffer of 30 mtr is proposed from the edge of water body, for secondary drain in south west, buffer of 25 mts from center is proposed and for tertiary drain and foot kharab inside the site area they had obtained reroute orders from DC dated 24.01.2019 and accordingly they have rerouted the tertiary drain and provided the buffer of 15 mtrs from center and free public access for the rerouted foot kharab area. Regarding rainwater harvesting, they have proposed rainwater storage structures of 280 cum capacity for runoff from rooftop, hardscape and landscape areas with 31 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 425 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 incorporate tertiary treatment of 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 rain water storage structure of 280 cum and 31 recharge pits.
5. To grow 425 trees in the early stage before taking up of construction.
6. To carry out community recharge of bore wells in the vicinity of the site
7. To construct lead of drains till the natural drains/water body for handling excess water.
8. To explore the possibilities to have 100% battery backup instead of DG sets or to incorporated catalytic converter for DG sets with dual fuel option.
9. To install smart water meters with aerators for individual units to conserve water.
10. To provide bell mouth entry/exist from the approach road.
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.

317.2.7 Residential Apartment with Club House Project at Banahalli Village, Attibele Hobli, Anekal Taluk, Bengaluru Urban District by M/s. Sri Sai Infra – Online Proposal No.SIA/KA/INFRA2/471607/2024 (SEIAA 102 CON 2024)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Project Proponent	Mr. K. Sai Charan Reddy, Managing Partner, **M/s. Sri Sai Infra** Plot No. 857, 1st Floor, Ayyappa Society, Madhapur, Hyderabad – 500 081
2	Name & Location of the Project	Residential Apartment with Club House Project at Sy.Nos.55/1, 55/2, 56/4, 56/5, 57, 58/4 & 58/5 of Banahalli Village, Attibele Hobli, Anekal Taluk, Bengaluru Urban District
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 Regulations	As per Master Plan – Anekal Local Planning Area 2031 (Map No. JI-1), the proposed project site is designated as Commercial Zone
4	New/~~Expansion/ Modification/ Renewal~~	New
5	Water Bodies/ Nalas in the vicinity of project site	Tertiary nala passing from south to northwest side of the project site, Primary nala running outside of the project site boundary towards eastern side.
6	Plot Area (Sqm)	Total site area including Kharab – 15,782.67 Sqm (3 Acre 36 Guntas) Nala Kharab – 1416.39 Sqm (14 Guntas) Net Site area –14,366.28 Sqm (3 Acres 22 Guntas)
7	Built Up area (Sqm)	41,339.39 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]	BF+GF+8UF with a maximum height of 26.95 m.	
10		Number of units/plots in case of Construction/Residential Township/Area Development Projects	243 No.	
11		Height Clearance	26.95 m (As per CCZM map, the permissible height is 131.50 m AMSL)	
12		Project Cost (Rs. In Crores)	Rs. 90.00 Crores	
13		Quantity of Excavated earth & its management	Total Excavated earth quantity – 22,840 m3 For Backfilling – 7,994 m^3 For Landscaping – 8,974 m^3 For Driveway – 2,208 m^3 For site formation – 3,664 m^3	
14		Details of Land Use (Sqm)		
	a.	Ground Coverage Area	3,198.28 Sqm	
	b.	Kharab Land	Nala Kharab – 1922.24 Sqm	
	c.	Total Green belt on Mother Earth	5,995.38 Sqm	
	d.	Internal Roads	2478.50 Sqm	
	e.	Paved area		
	f.	Others Specify	CA area – 633.58 Sqm Service Area – 365.80 Sqm Road Widening Area – 1188.89 Sqm	
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	-	
	h.	Total	15,782.67 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	19 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	6.75 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	113KLD
			Flushing	57 KLD
			Total	170 KLD
	b.	Source of water	Borewell	
	c.	Wastewater generation in KLD	153 KLD	
	d.	STP capacity	STP Capacity - 170 KLD	

			Area - 200 Sqm	
	e.	Technology employed for Treatment	Sequential Batch Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	Excess 49 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 – 300 Cum Storm Water sump – 100 Cum	
	b.	No's of Ground water recharge pits	25 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 southern side of the site	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Construction & Demolition waster and its management	Construction Waste: Construction debris generated from the whole project is 21 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:	199 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:	24 Sqm
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity:	300 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:	55 L/Annum (0.11 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:	6 Sqm
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity:	0.61 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:	6 Sqm
19		POWER		
	a.	Total Power Requirement - Operational Phase	1794 kVA	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	350 KVA – 2 Nos. Stack Height ARL - 5 m	
	c.	Details of Fuel used for DG Set	154.84 l/hr	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	5star transformer, Solar PV panels, solar water heater, LED, high efficiency Pumps and motors in Lifts etc The overall energy savings is around 37.70 %	
20		PARKING		
	a.	Parking Requirement as per norms (ECS)	267 No. of cars. (provided – 267 No. of cars) (25% i.e. 61 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	
			Approach Road	A / A
			Chandapura-Anekal Road – Chandapura	C / C
			Chandapura-Anekal Road – Anekal	C / C
	c.	Internal Road width (RoW)	15.20 m wide existing of Approach Road	
21		CER Activities	Renovation of class rooms & drinking water facility to Govt. Higher Primary School, Chandapura Village	
22		EMP (Details and capital cost & recurring cost)	Construction Phase: Capital Investment – 16.00 Lakh Construction – 79.56 Lakh Operation Phase: Capital investment – 315.74 Lakh Operation Investment – 21.90 Lakh/annum	

The proposal is for construction of a residential apartment project in an area demarcated as commercial use as per Anekal Planning Authority, for which Proponent informed that they have obtained conversion of land to residential use from DC.

The Committee during appraisal sought details regarding source of water for the proposed project during operation, cart track road & drain as per village map and rainwater harvesting provisions proposed in the project. The Proponent informed the Committee that they have conducted hydrology study report from CGWA accredited consultant T. Rajendiran, informing about the availability of 113 KLD of fresh water requirement from ground water through three borewells in the proposed project area and without having any adverse impact on ground water and informed the Committee that they will obtain NoC from KGWA for digging and extraction of ground water and have sufficient rainwater harvesting structures to utilize complete rainfall within the site area. Regarding the tertiary drain inside the project area, Proponent informed that they had obtained reroute order from DC dated 28.07.2021 and have proposed buffer of 3 mtr from the edge on either sides of the rerouted drain and for the primary drain in eastern side buffer of 9 mts from the edge is proposed and the road as per zoning authority in southern side is left as it is in the proposed plan. Regarding harvesting rainwater, Proponent informed that they have proposed a storage tank of 300 cum & 100 cum capacity for runoff from rooftop, hardscape and landscape areas in addition to 25 recharge pits within the site area.

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

The Proponent agreed to grow 180 trees in the project site area. The Proponent has collected baseline data of air, water, soil and noise and informed that all were within the permissible limits. The Proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks.

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

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

1. To provide tertiary treatment to the waste water to bring it to potable standards.
2. To utilize minimum of 50% of roof area for solar power generation.
3. To provide minimum 10% of total parking with e-vehicle charging facility.
4. To provide recharge tank of capacity 300 Cum & 100 cum& 25 recharge pits.
5. To grow 180 trees in the early stage before taking up of construction.
6. To provide bellmouth entry and exit in the proposed project.
7. To provide diesel generator with catalytic converter.
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.

317.2.8 Commercial Building Project at Bellandur Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru Urban District by M/s. Sri Sai Mourya Estates and Tech Park– Online Proposal No.SIA/KA/INFRA2/467800/2024 (SEIAA 104 CON 2024)

About the project:

Sl.No		Particulars	Information Provided by PP
1		Name & Address of the Project Proponent	**Mr. Zaid Sadiq,** Authorized Signatory M/s. Sri Sai Mourya Estates and Tech Park Bangalore
2		Name & Location of the Project	Development of Commercial Building Project at Sy. Nos.11(P), 14, 15/8, 18/1, 18/2, 18/3, 18/4 of Bellandur 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	Development of commercial building Category 8(a) as per EIA Notification 2006
	b.	Residential Township/ Area	Not Applicable

		Development Projects	
	c.	Zoning Classification	Proposed project site comes High Tech zone and Sensitive area as per Bangalore Revised Master Plan 2015 of 3.18 (a) Begur
4		New/Expansion/Modification/Renewal	New
5		Water Bodies/ Nalas in the vicinity of project site	• Secondary nala present adjacent to the project site towards east direction, • Tertiary nala present within project site was realigned towards north direction
6		Plot Area (Sqm)	Total site area: 30,250.25 Sqm (7A 19 G)
7		Built Up area (Sqm)	1,42,563.69 Sqm
8		FAR • Permissible • Proposed	3.25 3.24
9		Building Configuration [Number of Blocks/Towers/Wings etc., with Numbers of Basements and Upper Floors]	2BF+GF+9UF
10		Number of units/plots in case of Construction/Residential Township /Area Development Projects	-
11		Height Clearance	Justification: M/s. Broadcom company at 185 mts south is having top elevation of 950 m AMSL and the proposed project is having top elevation of 940.10 m AMSL.
12		Project Cost (Rs. In Crores)	275 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	37,830	100
Management		
Backfilling in foundation	8,700	23
For landscaping	10,590	28
Roads & walkways	14,375	38
Disposed to the authorized vendors	4,165	11

14		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	11,182.47 Sqm
	b.	Kharab Land	809.37 Sqm
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedules of the EIA notification, 2006	4,354.61 Sqm
	d.	Internal roads	6,863.0 Sqm
	e.	Paved area	3,434.08 Sqm
	f.	Others Specify	Acquired for road – 758.77 Sqm
	g.	Parks and Open space in case of Residential Township/ Area	2,847.95 Sqm

		Development Projects		
	h.	Total	30,250.25Sqm	
15		**WATER CONSUMPTION**		
	I.	Construction Phase		
	a.	Source of water	STP treated water for construction purpose & Tanker water for domestic purpose.	
	b.	Quantity of water for Construction in KLD	10 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	11.5 KLD	
	d.	Wastewater generation in KLD	10 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	378 KLD
			Recycled	312 KLD
			Total	690 KLD
	b.	Source of water	BWSSB	
	c.	Wastewater generation in KLD	620 KLD	
	d.	STP capacity and Area required	620 KLD - Area required – 500 Sqm	
	e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
	f.	Scheme of disposal of excess treated water if any	Available treated water –589 KLD (95% of waste water) For Flushing – 312 KLD For Landscape - 49 KLD For HVAC - 228 KLD	
16		Infrastructure for Rainwater harvesting		
	a.	Capacity of sump/tank to store Roof & Hardscape/soft scape run off	1 x 370 cum & 1 x 210 cum	
	b.	Nos of Ground water recharge pits	6 No's of recharge wells	
17		Storm water management plan	• Land is gently sloping terrain and sloping towards North-West direction. • 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 waster and its management	Demolition Waste: There is no existing building at the project site, presently land is in vacant condition, generation of demolition waste is not applicable. 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.	
	b.	Quantity of Solid waste generation and mode of Disposal other than C& D.	Quantity – 25 kg/days Solid waste generated will be collected manually and handed over to local body for further processing.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste	Quantity – 1.44 MT/day	

		generation and mode of Disposal as per norms(Capacity of OWC & Area required)	Disposal – Bio methanation plant Capacity – 1500 kg/day Area required – 30 Sqm
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity – 2.16 MT/day Recyclable waste will be given to the waste collectors for recycling for further processing.
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste oil of 6.3 KL/annum will be generated from the DG sets will be collected in leak proof barrels and handed over to the authorized waste oil recyclers.
	d.	Quantity of E waste generation and mode of Disposal as per norms	E-Wastes will be collected & stored in bins and disposed to the authorized & approved KSPCB E-waste processors.
19		**POWER**	
	a.	Total Power Requirement - Operational Phase	BESCOM – 7,400 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	5 x 2,000 KVA (Additional space provided for 1 x 2,000 KVA (N + 1 Configuration DG sets))
	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. The energy saving from the project is 21.74 %.
20		**PARKING**	
	a.	Parking Requirement as per norms	Required = 1,243 no's Provided = 1,243 no's
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards Devarabisanahalli- D Towards Bellandur - C
	c.	Internal Road width (RoW)	8.0 m
21		CER Activities	• Rejuvenation of Saul lake – 880 m (S) by implementing stone pitching, cleaning and desilting and plantation around the lake. • Provision of Smart class, Rainwater Harvesting system, Water purification system and Sanitation facility to the Bellandur Government School (380 m–NW). • Provision of Smart class, Rainwater Harvesting system, Water purification system and Sanitation facility to the Government higher primary school, Devarabasanahalli (1.2km – SE). • Providing the necessary requirements to the Government Civil Hospital, Agara (3.3 km -W). • Providing the necessary requirements for the Anganawadi Kendra, Devarabasanahalli (1.10 km - SW).
22		EMP • Construction phase • Operation Phase	Construction phase – 27.73 lakhs ➢ Capital cost – 23.5 lakhs ➢ Recurring cost – 4.23 lakhs Operational Phase – 561.8lakhs ➢ Capital cost – 523 lakhs ➢ Recurring cost – 38.8 lakhs

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that at present the site is vacant land and no construction had been started. The Committee noted the clarification given by the Proponent.

The proposal is for construction of commercial development project in an area earmarked for industrial use in hi-tech zone as per zoning regulation of BDA, for which Proponent informed that they had obtained change of land use from BDA on 21.05.2011.

The Committee during appraisal sought details regarding drain as per village map, sensitive zone as per zoning authority and provisions made for harvesting rainwater in the proposed area. The Proponent informed the Committee that they had obtained reroute order from DC in October 2023 and provided buffer of 25 mts from center of the rerouted drain and for the tertiary drain in north, buffer of 15mtr from center is proposed. Regarding sensitive zone, Proponent informed that they had obtained sensitive zone clearance from BDA on 17.11.2017 and change of land use in valley buffer from BDA in 08.03.2017 & 20.05.2017. Regarding rainwater harvesting, they have proposed rainwater storage structures of 370 cum & 210 cum capacity for runoff from rooftop, hardscape and landscape areas and with 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 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 430 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 incorporate tertiary treatment of 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 rainwater storage structure of 370 cum, 210 cum and 6 recharge pits.
5. To grow 430 trees in the early stage before taking up of construction.
6. To carry out community recharge of bore wells in the vicinity of the site
7. To construct lead of drains till the natural drains/water body for handling excess water.
8. To explore the possibilities to have 100% battery backup instead of DG sets or to incorporated catalytic converter for DG sets with dual fuel option.
9. To install aerators to conserve water.
10. To provide bell mouth entry/exist from the approach road.
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.

317.2.9 Black Granite Quarry Project at Kothalavadi Village, Chamarajanagar Taluk & District (2-05 Acres) by Sri Guruswamy – Online Proposal No.SIA/KA/MIN/493696/2024 (SEIAA 163 MIN 2024)

About the project:

Sl.No.	Particulars	Information Provided by Proponent
1	Name & Address of the Projects Proponent	Sri Guruswamy
2	Name & Location of the Project	Black Granite Quarry Project at Sy.Nos.237/1, 237/2, 237/3 of Kothalavadi Village, Chamarajanagar Taluk & District (2-05 Acres) 11° 48' 17.7995"N 76° 48' 56.3994"E 11° 48' 17.3994"N 76° 48' 57.6996"E 11° 48' 16.7992"N 76° 48' 58.7989"E 11° 48' 13.3993"N 76° 48' 56.4993"E 11° 48' 12.2989"N 76° 48' 55.0001"E 11° 48' 12.3988"N 76° 48' 53.7992"E
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	2-05 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	10,286 cum /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	49,780Cum (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	3,600 cum/annum recovery
11	CER Activities: To grow additional 200 No. on either side of the approach road from quarry location to Kothalavadi Village Road	
12	EMP Budget	Rs. 11.20 lakhs (Capital Cost) & Rs.3.68 lakhs (Recurring cost)
13	Quarry plan	08.07.2024
14	Cluster certificate	12.07.2024
15	Forest NoC	08.11.2021
16	Revenue NOC	29.01.2022
17	Notification	21.06.2024

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.

317.2.10 Renewal of Building Stone Quarry Project at Bennahalli village in Ramanagara Taluk & District (3-00 Acres) by Sri P. Mahadeva Rao – Online Proposal No.SIA/KA/MIN/490912/2024 (SEIAA 162 MIN 2024)

About the project:

Sl.No	PARTICULARS	INFORMATION PROVIDED BY PP
1	Name & Address of the Projects Proponent	Sri P. Mahadeva Rao
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.25 of Bennahalli village in Ramanagara Taluk & District (3-00 Acres)
3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/ Renewal	Renewal
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government
6	Area in Acres	3-00 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	1,03,082 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.20 Crores (Rs. 20 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	7,38,674 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	1,01,021 Tones / Annum (excluding waste)
11	CER Activities: To grow 400 No. of additional plantation on either side of the approach road from quarry location to Bennahalli Village Road	
12	EMP Budget	Rs. 7.40 lakhs (Capital Cost) & Rs. 2.20 lakhs (Recurring cost)
13	Forest NOC	20.01.2020
14	Quarry plan	11.02.2020
15	Cluster Certificate	10.07.2024
16	Notification	29.11.1996
17	DTF	23.01.2020
18	Audit Report	10.07.2024

12°42.554'N	77°22.894'E
12°42.495'N	77°22.895'E
12°42.464'N	77°22.785'E
12°42.362'N	77°22.896'E
12°42.398'N	77°22.759'E
12°42.355'N	77°22.752'E
12°42.367'N	77°22.670'E
12°42.410'N	77°22.677'E

The proposal is for renewal of a lease which was granted earlier on 28.02.1997, with QL No. 747 which has been non-operational since 2002-03 and justified the same as per the audit report issued by DMG dated 10.07.2024.

For the existing leases, based on the applicability of cut off dates as per clause 3 of 233rd SEIAA meeting dated 18.04.2023, Proponent informed that they had not carried out any mining activity after 2002-03 till date and no environmental damage has been caused and requested the Committee not to consider the proposal under violation category.

The Committee after discussion, decided to consider the proposal based on the DMG audit report, informing that no mining activity had been carried out since 2002-03 till date, implying that there was no environmental damage/pollution and opined that as an environmental Committee, violation should be ascertained based on the damage caused to the environment and not on the procedural lapses and decided to request SEIAA to consider the deliberations of the Committee in this proposal, while handling violation cases in respect of existing lease as there is no requirement for Damage Assessment, Remedial Plan and Community Augumentation Plan.

There is an existing cart track road to a length of 720 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 7,38,674 Tones (including waste) and estimated the life of mine to be 3 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 1,03,082 Tons / Annum (including waste), with following consideration,

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

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

317.2.11 Building Stone Quarry Project at H. Thimmapura village in Tarikere Taluk, Chikkamagaluru District (2-00 Acres) by Sri M. Suresh– Online Proposal No.SIA/KA/MIN/448733/2023 (SEIAA 168 MIN 2024)

About the project:

Sl.No	PARTICULARS	INFORMATION PROVIDED BY PP
1	Name & Address of the Projects Proponent	Sri M. Suresh
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.26 of H. Thimmapura village in Tarikere Taluk, Chikkamagaluru District (2-00 Acres)

		N 13° 45' 27.6" E 75° 46' 24.8" N 13° 45' 28.9" E 75° 46' 26.7" N 13° 45' 27.2" E 75° 46' 28.2" N 13° 45' 24.5" E 75° 46' 28.2" N 13° 45' 24.7" E 75° 46' 26.9"
3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government
6	Area in Acres	2-00 Acres
7	Annual Production (Metric Ton/Cum) Per Annum	92,050 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.30 Crores (Rs. 30 Lakhs)
9	Proved Quantity of mine/Quarry-Cu.m/ Ton	6,04,900 Tones (including waste)
10	Permitted Quantity Per Annum-Cu.m/ Ton	90,209 Tones / Annum (excluding waste)
11	CER Activities: To grow 200 No. of additional plantation on either side of the approach road from quarry location to H Thimmapura Village Road	
12	EMP Budget	Rs. 11.95 lakhs (Capital Cost) & Rs. 3.63 lakhs (Recurring cost)
13	Forest NOC	26.04.2017
14	Quarry plan	15.09.2023
15	Cluster certificate	04.10.2023
16	Notification	26.07.2023
17	Revenue	04.09.2016
18	DTF	22.02.2019

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee that the proposed area is government land and the villagers had removed the mineral for their bonafide use earlier and no mining had been carried out by Proponent till date and hence does not attract violation. The Committee noted the clarification given by the Proponent.

As per the cluster sketch there are another 29 leases in a radius of 500 mtr from the said lease, out of which 09 leases are exempted from cluster as lease was granted prior to 09.09.2013 and EC for 14leases were granted prior to 15.01.2016 and the total area of the remaining lease including the applied lease is 7-15 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 710 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 6,04,900 Tones (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 92,050 Tones/annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry and road leading to crusher as per IRC norms.
3. To grow trees all along the approach road& buffer zone during the first year of operation.
4. To carry out regular health checkup for the workers in the nearby Hospital.
5. 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.

317.2.12 Expansion of Building Stone Quarry Project at Halekote Village in Doddaballapura Taluk, Bengaluru Rural District (2-36 Acres) by M/s. Lakumi Enterprises Prop: Sri. Ananda Ramaiah– Online Proposal No.SIA/KA/MIN/490924/2024 (SEIAA 161 MIN 2024)

About the project:

Sl.No	PARTICULARS	INFORMATION PROVIDED BY PP
1	Name & Address of the Projects Proponent	M/s. Lakumi Enterprises Prop: Sri. Ananda Ramaiah
2	Name & Location of the Project	Expansion of Building Stone Quarry Project at Sy.No.6 of Halekote Village in Doddaballapura Taluk, Bengaluru Rural District (2-36 Acres) 13° 21' 58.36799"N 77° 25' 09.52000"E 13° 22' 00.82625"N 77° 25' 10.13742"E 13° 22' 01.01200"N 77° 25' 15.66732"E 13° 21' 59.95280"N 77° 25' 16.11660"E 13° 21' 58.87531"N 77° 25' 13.63041"E 13° 21' 27.93799"N 77° 25' 14.89508"E
3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/Renewal	Expansion
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government
6	Area in Acres	2-36 Acres
7	Annual Production (Metric Ton/Cum) Per Annum	1,44,387 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.30 Crores (Rs. 30 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	8,35,813 Tones (including waste)
10	Permitted Quantity Per Annum-Cu.m/ Ton	1,41,499 Tones/ Annum (excluding waste)
11	**CER Activities:** To grow 250 No. of additional plantation on either side of the approach road from quarry location to Halekote Village Road and Govt. School	
12	EMP Budget	Rs. 13.60 lakhs (Capital Cost) & Rs. 5.32 lakhs (Recurring cost)
13	Quarry plan	05.12.2020
14	Cluster certificate	16.07.2024
15	Forest NoC	03.07.2015
16	Audit Report	16.05.2024

The proposal is for expansion of building stone quarry, for which EC was issued earlier by SEIAA on 29.12.2015 and lease was in effect from 30.08.2010 with QL 2652. The Proponent submitted an audit report till 2023-24 certified by DMG dated 16.05.2024 and CCR from KSPCB dated 04.12.2023.

As the lease has been granted prior to 09.09.2013, the project is categorized as B2.

There is an existing cart track road to a length of 1520 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 8,35,813 Tons (including waste) and estimated the life of the quarry to be 6 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 1,44,387 tons/year (including waste), with following consideration,

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

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

317.2.13 Building Stone Quarry Project at Chikkanagavalli Village, Chikkaballapura Taluk & District (2-00 Acres) (Q.L.No.71) by M/s. Shiva Shakthi Enterprises – Online Proposal No.SIA/KA/MIN/494916/2024 (SEIAA 167 MIN 2024)

About the project:

Sl.No	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	M/s. Shiva Shakthi Enterprises
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.43 of Chikkanagavalli Village, Chikkaballapura Taluk & District (2-00 Acres) (Q.L.No.71)

N 13° 36'30.90"	E 77° 45'49.00"
N 13° 36'30.39"	E 77° 45'50.88"
N 13° 36'35.01"	E 77° 45'52.46"
N 13° 36'35.40"	E 77° 45'50.40"

3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/Renewal	Renewal
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government
6	Area in Acres	2-00 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	81,633 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.25 Crores (Rs. 25 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	8,20,807 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	80,000 Tones / Annum (excluding waste)
11	CER Activities: To grow 200 No. of additional plantation on either side of the approach road from quarry location to Chikkanagavalli Village Road	
12	EMP Budget	Rs. 12.30 lakhs (Capital Cost) & Rs. 3.90 lakhs (Recurring cost)
13	Forest NOC	05.02.2021
14	Quarry plan	05.08.2024
15	Cluster Certificate	12.08.2024
16	Audit Report	27.08.2024

The proposal is for renewal of a lease which was granted earlier on 22.01.2010, with QL No. 71 which has been non-operational since 2009-10 and justified the same as per the audit report issued by DMG dated 27.08.2024.

For the existing leases, based on the applicability of cut off dates as per clause 3 of 233rd SEIAA meeting dated 18.04.2023, Proponent informed that they had not carried out any mining activity after 2009-10 till date and no environmental damage has been caused and requested the Committee not to consider the proposal under violation category.

The Committee after discussion, decided to consider the proposal based on the DMG audit report, informing that no mining activity had been carried out since 2009-10 till date, implying that there was no environmental damage/pollution and opined that as an environmental Committee, violation should be ascertained based on the damage caused to the environment and not on the procedural lapses and decided to request SEIAA to consider the deliberations of the Committee in this proposal, while handling violation cases in respect of existing lease as there is no requirement for Damage Assessment, Remedial Plan and Community Augumentation Plan.

There is an existing cart track road to a length of 1800 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 8,20,807 Tones (including waste) and estimated the life of mine to be 10 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 81,633 Tons / Annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry and road connecting crusher 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.

317.2.14 Renewal of Building Stone Quarry Project at Chikkanagavalli village in Chikkaballapura Taluk & District (2-00 Acres) by M/s. Shiva Shakthi Enterprises Partner: Sri B N Byregowda – Online Proposal No.SIA/KA/MIN/494808/2024 (SEIAA 166 MIN 2024)

About the project:

Sl.No	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	M/s. Shiva Shakthi Enterprises Partner: Sri B N Byregowda
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.43 of Chikkanagavalli village in Chikkaballapura Taluk & District (2-00 Acres) Latitude / Longitude N 13° 36'35.9" / E 77° 45'48.3" N 13° 36'35.4" / E 77° 45'50.4" N 13° 36'30.9" / E 77° 45'49.0" N 13° 36'31.5" / E 77° 45'47.1"
3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/Renewal	Renewal
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government
6	Area in Acres	2-00 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	81,633 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	7,79,216 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	80,000 Tones / Annum (excluding waste)
11	**CER Activities:** To grow200 No. of additional plantation on either side of the approach road from quarry location to Chikkanagavalli Village Road	

12	EMP Budget	Rs. 12.30 lakhs (Capital Cost) & Rs. 3.90 lakhs (Recurring cost)
13	Forest NOC	05.02.2021
14	Quarry plan	05.08.2024
15	Cluster Certificate	12.08.2024
16	Audit Report	27.08.2024

The proposal is for renewal of a lease which was granted earlier on 22.01.2010, with QL No. 70 which has been non-operational since 2009-10 and justified the same as per the audit report issued by DMG dated 27.08.2024.

For the existing leases, based on the applicability of cut off dates as per clause 3 of 233rd SEIAA meeting dated 18.04.2023, Proponent informed that they had not carried out any mining activity after 2009-10 till date and no environmental damage has been caused and requested the Committee not to consider the proposal under violation category.

The Committee after discussion, decided to consider the proposal based on the DMG audit report, informing that no mining activity had been carried out since 2009-10 till date, implying that there was no environmental damage/pollution and opined that as an environmental Committee, violation should be ascertained based on the damage caused to the environment and not on the procedural lapses and decided to request SEIAA to consider the deliberations of the Committee in this proposal, while handling violation cases in respect of existing lease as there is no requirement for Damage Assessment, Remedial Plan and Community Augumentation Plan.

There is an existing cart track road to a length of 1800 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 7,79,216 Tones (including waste) and estimated the life of mine to be 10 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 81,633Tons / Annum (including waste), with following consideration,

1. To asphalt the approach road to the quarry and road connecting crusher 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.

317.2.15 Building Stone Quarry Project Bahaddur Bandi Village, Koppal Taluk, Koppal District (3-17 Acres) by Sri Sangappa B. Nagarahalli – Online Proposal No.SIA/KA/MIN/493782/2024 (SEIAA 160 MIN 2024)

About the project:

Sl.No	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri Sangappa B. Nagarahalli
2	Name & Location of the Project	Building Stone Quarry Project at Survey No.78/3 of Bahaddur Bandi Village, Koppal Taluk, Koppal District (3-17 Acres) N15°18'50.78381" & E 76°11'38.97194" N15°18'49.34842" & E 76°11'44.33558" N15°18'43.99546" & E 76°11'44.15994"
3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta
6	Area in Acres	3-17 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	50,034.44 Tones/annum for 1st year, 75,031.53 Tons/annum for 2nd year, 75,004.31 Tones/annum for 3rd year, 50,002.88 Tones/annum for 4th year & 3,195 Tones/annum for 5th year (including waste)
8	Project Cost (Rs. In Crores)	Rs. 2.00 Crores (Rs. 200 Lakhs)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	2,53,269 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	50,034.44 Tones/annum for 1st year, 75,031.53 Tons/annum for 2nd year, 75,004.31 Tones/annum for 3rd year, 50,002.88 Tones/annum for 4th year & 3,195 Tones/annum for 5th year (including waste)
11	CER Activities: To be spent for providing Drinking water facility in Halavarthi village.	
12	EMP Budget	Rs. 75.00lakhs (Capital Cost) & Rs. 25 lakhs (Recurring cost)
13	Forest NOC	03.10.2023
14	Quarry plan	22.07.2024
15	Cluster certificate	20.08.2024
16	Notification	20.08.2024
17	Revenue	17.08.2023
18	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 area is government land and the villagers had removed the mineral for their bonafide use earlier and no mining had been carried out by Proponent till date and does not attract violation. The Committee noted the clarification given by the Proponent.

As per the cluster sketch there are another 05 leases in a radius of 500 mtr from the said lease, out of which 04 leases are exempted from cluster as lease was granted prior to 09.09.2013 and the total area of the remaining lease including the applied lease is 9-17 Acres and hence the project is categorized as B2.

There is an existing cart track road to a length of 2,000 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 2,53,269 Tones (including waste) and estimated the life of mine to be 5 years.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 50,034.44 Tone/annum for 1st year, 75,031.53 Tons/annum for 2nd year, 75,004.31 Tone/annum for 3rd year, 50,002.88 Tone/annum for 4th year & 3,195 Ton/annum for 5th year (including waste), with following consideration,

1. To asphalt the approach road to the quarry and road leading to crusher as per IRC norms.
3. To grow trees all along the approach road& buffer zone during the first year of operation.
4. To carry out regular health checkup for the workers in the nearby Hospital.
5. 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.

317.2.16 Building Stone Quarry Project at Arameri village in Virajapete Taluk, Kodagu District (2.50 Acres) by Sri Venugopal A. R - Online Proposal No.SIA/KA/MIN/494282/2024 (SEIAA 169 MIN 2024)

About the project:

Sl.No	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri Venugopal A. R
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.343 of Arameri village in Virajapete Taluk, Kodagu District (2.50 Acres)
3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta
6	Area in Acres	2.50 Acres

Latitude	Longitude
N 12° 13' 40.4581"	E 75° 45' 23.721"
N 12° 13' 41.4760"	E 75° 45' 25.922"
N 12° 13' 38.7011"	E 75° 45' 26.8250"
N 12° 13' 38.5959"	E 75° 45' 27.9949"
N 12° 13' 39.2828"	E 75° 45' 29.1838"
N 12° 13' 38.2996"	E 75° 45' 30.0002"
N 12° 13' 36.8239"	E 75° 45' 26.3061"

7	Annual Production (Metric Ton / Cum) Per Annum	38,530 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.20 Crores (Rs. 20 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	1,94,423 Tones (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	37,759 Tones / Annum (excluding waste)
11	CER Activities: To grow 100 No. of additional plantation on either side of the approach road from quarry location to Arameri Village Road and 350 No. addition Plantation near the public buildings like govt. school, govt. hospital.	
12	EMP Budget	Rs. 12.80 lakhs (Capital Cost) & Rs. 4.18 lakhs (Recurring cost)
13	Forest NOC	28.12.2022
14	Quarry plan	08.08.2024
15	Cluster Certificate	09.08.2024
16	Notification	10.04.2024 (Non-blasting)
17	Revenue	09.02.2023

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. The Committee noted the clarification.

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 2.50 Acres and hence the project is categorized as B2. Further by considering the proposal in agenda no. 317.2.17 as the proposed area is adjacent to the proposed lease, the total extent is 4.50 Acres and the project is categorized as B2.

There is an existing cart track road to a length of 780 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 1,94,423 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 38,530 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 take necessary measures to arrest noise and air pollution from the quarry area.
5. To provide metal sheet fencing around the working 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.

317.2.17 Building Stone Quarry Project at Arameri village in Virajapete Taluk, Kodagu District (2-00 Acres) by Sri Venugopal A. R. - Online Proposal No.SIA/KA/MIN/494296/2024 (SEIAA 170 MIN 2024)

About the project:

Sl.No	Particulars	Information Provided by PP
1	Name & Address of the Projects Proponent	Sri Venugopal A. R.
2	Name & Location of the Project	Building Stone Quarry Project at Sy. No.343 of Arameri village in Virajapete Taluk, Kodagu District (2-00 Acres) Latitude / Longitude: N 12° 13' 36.8239" / E 75° 45' 26.3061" N 12° 13' 38.0320" / E 75° 45' 29.3300" N 12° 13' 35.2889" / E 75° 45' 31.0479" N 12° 13' 34.2289" / E 75° 45' 29.6782"
3	Type Of Mineral	Building Stone Quarry
4	New/Expansion/Modification/Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta
6	Area in Acres	2-00 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	65,815 Tones/ Annum (including waste)
8	Project Cost (Rs. In Crores)	Rs. 0.25 Crores (Rs. 25 Lakhs)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	2,89,037 Tones (including waste)
10	Permitted Quantity Per Annum -Cu.m/ Ton	64,499 Tones / Annum (excluding waste)
11	**CER Activities:** To grow 200 No. of additional plantation on either side of the approach road from quarry location to Arameri Village Road and 350 No. addition Plantation near the public buildings like govt. school, govt. hospital.	
12	EMP Budget	Rs. 12.20 lakhs (Capital Cost) & Rs. 4.68 lakhs (Recurring cost)
13	Forest NOC	28.12.2022
14	Quarry plan	08.08.2024
15	Cluster Certificate	09.08.2024
16	Notification	10.04.2024
17	Revenue	09.02.2023

The Committee initially sought clarification with respect to the present site condition based on the KML submitted by Proponent. The Proponent informed the Committee the workings is prior to 2010 and justified in reference to google timeline image and for which they have paid the fine of 5lakhs and no mining has been carried out by Proponent post 2010. The Committee noted the clarification given by 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 2-00 Acres and hence the project is categorized as B2. Further by considering the proposal in agenda no.317.2.16 as the proposed area is adjacent to the proposed lease, the total extent is 4.50 Acres and the project is categorized as B2.

There is an existing cart track road to a length of 730 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 2,89,037 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 65,815 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 take necessary measures to arrest noise and air pollution from the quarry area.
5. To provide metal sheet fencing around the working 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.

317.2.18 Modification of Commercial Development Project (Office Facilities) at Sankey Road, Vasanth Nagar Ward, Bangalore Urban District by M/s. MAC Charles (India) Ltd. - Online Proposal No.SIA/KA/INFRA2/482953/2024 (SEIAA 144 CON 2020)

About the project:

Sl.No.		Particulars	Information Provided by Proponent
1		Name & Address of the Project Proponent	Name: M/s. MAC Charles (India) Ltd., Address: Municipal No. 28A (Old No. 28), Sankey Road, Vasanth Nagar Ward, Bangalore – 560 052.
2		Name & Location of the Project	Name: Amendment for Commercial Building (Office Spaces) 'Embassy Zenith' by M/s. Mac Charles (India) Ltd., Address: Municipal No. 28A (Old No. 28), Sankey Road, Vasanth Nagar Ward, Bangalore – 560 052.
3		Type of Development	Modification of Commercial Development Project (office facilities)
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	
	b.	Residential Township/ Area Development Projects	-
	c.	Zoning Classification	Land is owned by the project proponents. The land considered for development is Converted land for Commercial Purpose.

4	New/ Expansion/ Modification/ Renewal	Modification (Environmental Clearance was obtained from SEIAA, Karnataka vide No. SEIAA 144 CON 2020 dated 20.03.2021)	
5	Water Bodies/ Nalas in the vicinity of project site	• Sankey tank: 2.16 km towards Northwest • Ulsoor lake: 3.32 km towards Southeast • There is no nala or water body with or in the immediate vicinity of the project site.	
6	Plot Area (Sqm)	8,898.30 sq m	
7	Built Up area (Sqm)	**After modification:**Built-up area-46,298.75 sq. m	
8	FAR • Permissible • Proposed	Permissible FAR – 3.00 Permissible FAR area – 26,994.69 sq. m FAR Achieved – 3.13 FAR area achieved (within 5% deviation allowed) – 28,121.10 sq. m	
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	**After modification:** 2 Basements + Ground Floor + 13 Upper Floors + Terrace Floor (1st to 6th floor parking is changed and used as office facility from 1st to 13th Floor)	
10	Number of units/plots in case of Construction /Residential Township/Area Development Projects	NA	
11	Height Clearance	Height Clearance has been obtained from Airport Authority of India.	
12	Project Cost (Rs. In Crores)	• EC obtained: Rs. 305.49 Crores • Projected cost for modification: Rs. 255 Crores	
13	Quantity excavated earth & its management	Presently civil works is completed, finishing work is under progress.	
14	Details of Land Use (Sqm)		
a.	Ground Coverage Area	2,615 sq m	
b.	Kharab Land	NA	
c.	Total Green belt on Mother Earth	2,022 sq m	
d.	Internal Roads	Paved area with surface parking – 3,954 sq m	
e.	Paved area		
f.	Others Specify	Podium landscape – 1,286 sq m	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA	
h.	Total	8,998.30sq m	
15	WATER		
I.	Construction Phase		
a.	Source of water	Tertiary treated water	
b.	Quantity of water for Construction in KLD	15 KLD	
c.	Quantity of water for Domestic Purpose in KLD	10 KLD	
d.	Waste water generation in KLD	14 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	15 KLD Package STP	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh water	118 KLD

			Recycled water	100 KLD
			Total	218 KLD
	b.	Source of water	BWSSB	
	c.	Wastewater generation in KLD	201 KLD	
	d.	STP capacity and Area required	STP capacity – 220 KLD STP AREA – 100 sq. m	
	e.	Technology employed for Treatment	Membrane Bio Reactor (MBR) Technology	
	f.	Scheme of disposal of excess treated water if any	Toilet flushing, landscape development, Backwash and AC Cooling tower makeup.	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump/tank to store Roof & hardscape/soft scape runoff	215 cum	
	b.	No's of Groundwater recharge pits	10 Numbers	
17		Stormwater management plan	Storm water Runoff from the Open areas 79 m^3/day will be passed through Recharge pits. Excess will be diverted to external storm water drains.	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Construction & Demolition waster and its management	Demolition Waste: The existing building structure at the site was demolished after obtaining permission. There is no demolition involved in present amendment. Construction debris: 1900 tons is used as preparatory for formation activities within the project site.	
	b.	Quantity of Solid waste generation and mode of Disposal other than C&D.	o Organic waste (40%) = 8 kg/day; o Inorganic waste (60%) = 12 kg/day o The solid waste generated will be disposed through local authorities or BBMP.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms (Capacity of OWC & Area required)	Quantity:257 kg/day Mode of Disposal: Organic waste converter Capacity of facility: OWC capacity – 260 kg Area required: 30 sq. m	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity: 386 kg/day Mode of Disposal: Disposed through authorized recyclers.	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	• Used spent oil – 4000l/annum • Mode of disposal - Collected in leakproof containers and disposed to KSPCB registered authorized re-processors. • Oil soaked cotton waste – 100 kg/annum • Mode of Disposal:KSPCB-approved incinerator facility.	
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity: 2 MT/annum Mode of Disposal: Authorized recyclers.	
19		POWER		
	a.	Total Power Requirement -Operational Phase	5500 kVA	

	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	4 x 2000 kVA capacity DG sets
	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	About 20%
20		PARKING	
	a.	Parking Requirement as per norms (ECS)	563 cars. About 63 cars out of the 563 total numbers will be provided with electric charging points
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	LOS is 'D'.
	c.	Internal Road width (RoW)	8 m
21		CER Activities	As part of the CER initiative, the company has helped in building "EcoHub" an Integrated Waste Management Centre in Bettahalasuru Gram panchayat of Bangalore, benefitting 4000 households in 10 villages in around Bettahalasuru Gram panchayat.
22		EMP (Details and capital cost & recurring cost)	• Construction phase: Capital Cost is Rs. 155.1 lakhs and Recurring cost is Rs. 15.40 lakhs • Operation phase: Capital Cost is Rs. 99 lakhs and Recurring cost is Rs. 35.2 lakhs

The proposal is for issue of amendment to EC issued by SEIAA on 20.03.2021. The Proponent had submitted CCR from MoEF&CC dated 12.08.2024, informing that the civil works has been completed for 2B+G+13UF.

The Proponent informed that due to non-obtaining TDR for the earlier BUA, they had applied for amendment and requested the Committee to issue an amendment with the following changes,

Sl. No.	Particulars	EC obtained (SEIAA 144 CON 2020 dated 20.3.2021)	Proposed Amendment	Remarks
1	Survey Numbers/Site Address	Municipal No. 28A (Old No. 28), Sankey Road, Vasanth Nagar Ward, Bangalore – 560 052	Municipal No. 28A (Old No. 28), Sankey Road, Vasanth Nagar Ward, Bangalore – 560 052	No Change
2	Project activity	Office Building Project	Office Building Project	No change
3	Total plot area	9,204 sq m	8,998.30 sq m	-205.70 sq m
4	Total Built up area	85,131.16 sq m	46,299 sq m	-38,832.16 sq m
5	Number for floors	2 Basements, Ground and 27 Upper floors (Parking in 1 to 6 floors)	2 Basements, Ground and 13 Upper floors + Terrace floor, (no parking in 1st floor to 6th floor)	14 floors of office apace reduced (no parking in 1st floor to 6th floor)
6	Parking spaces	894 cars	563 cars	-331 cars
7	Water consumption	367 KLD	218 KLD	-149 KLD
8	Wastewater generation	331 KLD	201 KLD	-130 KLD
9	Sewage Treatment Plant	340 KLD	220 KLD	-120 KLD

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. To utilize minimum of 50% of roof area for solar power generation.
2. To incorporate catalytic converter for DG sets with dual fuel option.

And all other conditions remain same and unchanged for the EC issued by SEIAA on 20.03.2021.

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

317.2.19 Bulk Drugs & Intermediates Manufacturing Unit Project at Plot No.265, Kadechur Industrial Area, Yadgir Taluk & District by M/s. Sri Aditya Pharmachem - Online Proposal No.SIA/KA/IND3/470277/2024 (SEIAA 24 IND 2020)

About the project:

Sl.No.	Particulars	Information Provided by PP
1	Name & Address of the Project Proponent	Mr. Venkata Krishnam Raju, Managing Partner Flat no. 2809, 28th Floor, Block-B, Building Imperio, Lodha Meridian, Phase – IV, KPHB Colony, Kukatpally, Medchal-Malkajgiri, Telangana - 500072
2	Name & Location of the Project	Amendment in Environmental Clearance for Bulk drugs & Intermediates Manufacturing Unit located at Plot No.265, Kadechur Industrial Area, Yadgir Taluk & District
3	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number	Category B [5(f)]
4	New/Expansion/Modification/Renewal	Amendment
5	Plot Area (Sqm)	8,100
6	Project cost (Rs. In crores)	4.46 Crores

The proposal is for issue of amendment to EC issued by SEIAA on 11.08.2020. The Proponent informed the Committee that the CETP, Kadechur is located at a distance of 1.0 km (S) and they are collecting effluent from Kadechur Industrial Area and the Proponent has obtained CETP agreement with M/s. Mother Earth Environ Tech Pvt. Ltd. on 13.09.2023 and they would separate the HTDS & LTDS effluent and after pretreatment, they would dispose it to the CETP.

DETAILS OF AMENDMENT SOUGHT

S.No.	Para of EC issued by SEIAA	Details as per the EC	To be revised/read as	Justification/reasons
1.	Para 4.0	The total water requirement for the	Industrial wastewater shall be segregated	• The industry is a small-scale industry

S.No.	Para of EC issued by SEIAA	Details as per the EC	To be revised/read as	Justification/reasons
		proposed project is 81.86 KLD (including recycled water-35.21 KLD) and It will be met from the KIADB water supply, the wastewater generation will be 53.3 KLD, out of which 3.0 KLD will be the domestic sewage shall be treated in Biological Treatment system with capacity of 45 KLD. Industrial wastewater shall be segregated into High TDS and Low TDS effluent streams. HTDS effluent are collected, neutralized and evaporated in stripper followed by multiple effect evaporator (MEE) of capacity of 45 KLD. The condensate from MEE is taken into the biological treatment system along with LTDS wastewater.	into High TDS and Low TDS effluent streams. The segregated streams will be treated in ZLD with BTP of capacity 45 KLD and MEE of capacity 45 KLD/shall be disposed to the Common Effluent Treatment Plant (CETP) facility after pre-treatment and the domestic sewage shall be treated through Septic Tank followed by Soak Pit.	having project cost 4.46 Crores. • The cost for treatment of 1 litre of effluent in ZLD, on an average, is Rs. 10/- per litre of effluent, whereas CETP is taking at Rs. 6/- per litre of effluent. • The surrounding industries have already obtained approval for sending effluent to CETP. The CETP, Kadechur is located at a distance of 1.0 km (S) and they are collecting effluent from Kadechur Industrial Area. • The industry has obtained agreement with CETP facility dated 13.09.2023.

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.To install OCEMS in the proposed facility.

And all other conditions remain same and unchanged for the EC issued by SEIAA on 11.08.2020.

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

317.2.20 Modified of Residential Apartment Building Project at Sy.Nos. 36/1 & 37 of Bandapura Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District by Ms. Shilpa Jatti - Online Proposal No.SIA/KA/INFRA2/492556/2024 (SEIAA 07 CON 2021)

About the project:

The proposal is for issue of amendment to EC issued by SEIAA on 03.08.2021. The Proponentinformed the Committee that due to changes floor plan changes there is increase in number of units without increase in BUA and presently the finishing works is going on and accordingly they had applied for amendment and requested the Committee to issue an amendment with the following changes,

Comparative Statement		
	Old	**Modified**
Total Site Area	5,573.62 Sq.m	No changes
Total BUA	24,359.46 Sq.m	No changes
Building Configuration	One block with configuration B+G+23UF	No changes
Units	164 Nos	174 Nos
Parking	189 Nos	192 Nos
Total Water Consumption	110 KLD (Fresh water + Recycling water)	117.45KLD (Fresh water + Recycling water)
Total Waste Water discharge	94 KLD	99.83 KLD
STP	100 KLD	100.0KLD
Cost	41 Crores	41Crores

The Committee sought clarification regarding source of water in the proposed project. The Proponent informed the Committee that they have conducted hydrogeological study report from NABET accredited consultant Srushti Seva Pvt. Ltd., informing about the availability of 256.51 KLD of fresh water requirement from bore wells in for the proposed project area and informed the Committee that they will obtain NoC from KGWA for digging and extraction of ground water and have sufficient rainwater harvesting structures to utilize complete rainfall within the site area. 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 KGWA clearance for drilling & extracting ground water.

And all other conditions to remain same and unchanged for the EC issued by SEIAA on 03.08.2021.

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

317.2.21 Residential Apartment Building Project at Municipal No.74, PID No.32-1-74, Magadi Main Road, Ward No.32 (New Ward No.122), Kempapura Agrahara Bangalore Urban District by M/s. Puravankara Limited - Online Proposal No.SIA/KA/INFRA2/492766/2024 (SEIAA 03 CON 2022)

The proposal is for issue of amendment to EC issued by SEIAA on 03.06.2022. The Proponent had submitted CCR from MoEF&CC dated 10.06.2024, informing that the Proponent has started excavation and basement works.

The Proponent informed that due to the unfavorable site condition and by considering safety of neighboring properties on eastern side they were proposing to leave more distance for basement excavation and to compensate for this reduction of excavation on the eastern side by increasing excavation on northern direction in second common basement, they had applied for amendment and requested the Committee to issue an amendment with the following changes,

Sl. No.	Description	As per Issued EC	As per New Proposal	Change/Remarks
1	Site area (in Sqm)	15570.14	15570.14	No change
2	Built up Area (in Sqm)	67106.71	67102.49	-4.22
3	Floor Area Ratio	2.990	2.993	0.003
4	Floor Area (in Sqm Area)	46566.11	46602.63	36.52
5	Green Belt Area (in Area)	7758.11	7872.20	50.55
6	Green Belt Area (in %)			
7	Parking (in No.)	490	657	Numbers are increased as we are making provision for stack parking.
8	Driveway (in Sqm)	5593.87	4015	Reduced and included into parking area as grass pavers
9	Designated use of the building	Residential	Residential	No change
10	No of dwelling Units	378	378	No Change
11	Height Of the Building	99.7	99.7	No change
12	No of Floors	Tower A : S+31 UF Tower B : S+32 UF Club House: G+2UF	Tower A : S+31 UF Tower B : S+32 UF Club House : G+2UF	No change
13 -	No of Basement	Tower A : 1B Tower B : 2B Clubhouse : 2B	Tower A : 2B Tower B : 2B Clubhouse : 2B	Lower common basement is spreading below tower A due to change in profile of basement.
14	Quantity of Excavation(in Cumt)	25000Cumt	25000Cumt	No change in Estimated quantity of Earthwork Excavation

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. To utilize minimum of 50% of roof area for solar power generation.
2. To incorporate catalytic converter for DG sets with dual fuel option.

And all other conditions remain same and unchanged for the EC issued by SEIAA on 03.06.2022.

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

317.2.22 ToR: Organic Chemical Manufacturing Plant Project at Plot No.9(B), Doddaballapur Industrial Area, Bashettihalli, Doddaballapur Taluk, Bangalore Rural District by M/s. Gaiagen Technologies Pvt. Ltd. - Online Proposal No.SIA/KA/IND3/490504/2024 (SEIAA 18 IND 2024)

The proposal is for establishment of new synthetic organic chemical manufacturing unit with capacity of 200kg/annum in an area of 4.403Acres of KIADB allotted area.

The Proponent vide letter dated 18.09.2024, informed the Committee that they were withdrawing the current ToR application due to changes in the layout plan considering the existing mushroom production unit adjacent to the proposed area. Hence, requested the Committee not to consider the present proposal.

The Committee noted the request made by the Proponent and after discussion decided to reject the current ToR application.

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

Miscellaneous

317.2.23 Compliance to Orders of the Hon'ble NGT(SZ) in Appeal no. 29/2020.

The Hon'ble NGT (SZ) in Appeal no. 29/2020 in its Order dated 08.08.2024, had directed the following,

> *"46. In view of the above, it would be appropriate to set aside the assessment of damages as per the Kyoto Protocol and direct the SEAC/SEIAA – Karnataka to follow the procedure prescribed in S.O.1030 (E) dated 08.03.2018 and calculate the said amount for the implementation of the remediation plan, natural and community resource augmentation plan, etc. within a period of 4 (Four) months. The said assessment has to be done till the date of inspection to be fixed, as the unit is continuing its operation. As the unit is functional and providing employment for many, cancelling the Environmental Clearance would be disastrous. Therefore, the Project Proponent and the SEIAA – Karnataka are directed to assess the damages as directed within the stipulated time. As and when the same is assessed and deposited with the Karnataka SPCB, the same may be reported for compliance."*

Accordingly, the Authority (SEIAA) vide letter dated 03.09.2024 had informed the SEAC to co-ordinate with Proponent for complying with Orders of the Hon'ble NGT(SZ) in Appeal no. 29/2020.

The Committee had considered the subject in the present meeting and the Proponent was intimated through this office mail dated 13.09.2024 to attend 317th SEAC Meeting on 18.09.2024. Proponent acknowledged the mail and vide his reply mail dated 16.09.2024, informed that due to his non-availability he had requested to consider the subject in upcoming meeting agenda.

The Committee noted the reply sent by the Proponent and after discussion decided to authorized Member Secretary to write a letter to the Proponent for complying with the Orders of the Hon'ble NGT(SZ) in Appeal No. 29/2020 for submitting the details as prescribed in S.O 1030 (E) dated 08.03.2018 and to calculate the said amount for implementation of remediation plan, natural & community resource augmentation plan etc., within one month.

Action: Member Secretary, SEAC to write letter to Proponent for complying with the Hon'ble NGT Orders.

Meeting Concluded with vote of thanks to all.

Member Secretary, SEAC
Karnataka

Chairman, SEAC
Karnataka