Proceedings of the 279th SEAC Meeting held on 26th & 27thMay- 2022

Members present in the Online meeting held on 26th & 27thMay- 2022

1.	Shri. Venugopal V	Chairman
2.	Dr. Shekar H.S	Member
3.	Dr. J.B Raj	Member
4.	Shri. Nanda Kishore	Member
5.	Dr. S.K. Gali	Member
6.	Shri. Vyshak V Anand	Member
7.	Shri. Dinesh MC	Member
8.	Shri. Devegowda Raju	Member
9.	Shri.Sharanabasava Chandrashekhar Pilli	Member
10.	Shri. J G Kaveriappa	Member
11.	Shri. Mahendra Kumar M C	Member
12.	Shri. B V ByraReddy	Member
13.	Dr.SarvamangalaR. Patil	Member
14.	Shri. B. Ramasubba Reddy	Member
15.	Sri. R Gokul, IFS	Member Secretary

Officials present

1	Kirankumar B S	Sc O-1
2	Suhas H S	Sc O-1

The Chairman welcomed the members and initiated the discussion. The proceedings of the 277th and 278th SEAC meeting held on 20th and 21st April 2022 and 13th of May 2022 respectively was read before the Committee.

In the proceedings of 278th SEAC meeting for Agenda No.278.21 M/s. Eagleburg India Private Limited (SEIAA 31 CON 2022), the committee had decided to recommend the proposal to SEIAA for issue of ToR and also decided to visit the project site to know the present construction and developmental details and to issue any site specific ToR if required.

Thereafter the committee confirmed the proceedings.

Fresh Projects

EIA Projects

279.1 Manufacturing of Industrial & Specialty Solvents Project at KIADB Industrial Area of Chokkahalli Village, Hoskote Taluk, Bangalore Rural District by M/s. Somu Solvents Pvt. Ltd.- Online Proposal No.SIA/KA/IND3/73558/2021(SEIAA 28 IND 2021)

About the product:

Sl. No.	PARTICULARS	INFORMATION
1	Name & address of the project proponent	M. Dhananjay, Executive Director M/s. Somu Solvents Pvt. Ltd., Plot no. 20A2, 20B, 20B1 & 21P, KIADB

			Industrial Area, Chokkahalli Village, Hoskote Taluk, Bangalore Rural District, Bangalore 562114
2	Name & location of the project		M/s. Somu Solvents Pvt. Ltd., Plot no. 20A2, 20B, 20B1 & 21P, KIADB Industrial Area, Chokkahalli Village, Hoskote Taluk, Bangalore Rural District, Bangalore 562114
3	Environmental sensitivity		
	a.	Distance from Nearest Lake/River/Nala	• Hullur kere at 2.2 km, South East • Ponnayar or Dakshina Pinakini river – seasonal at 6.7 km, North West
	b.	Distance from Protected area notified under wildlife protection act	None within study area
	c.	Distance from the interstate boundary	Not applicable
	d.	Whether located in critically/ severally polluted area as per the CPCB norms	No
4	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		The project falls under schedule 5(f) and Category-B1 of the EIA Notification 2006 issued by MoEF, Government of India
5	New/ Expansion/ Modification/ Product mix change		Expansion
6	Plot area (Sqm)		10,537
7	Ground coverage area (Sqm)		3,509.22
8	Component of developments		-
9	Project cost (Rs. In crores)		Rs. 2.55 Crores (for expansion)
10	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	3,509.22
	b.	Kharab Land	Nil
	c.	Internal Roads	2,351
	d.	Paved area	
	e.	Parking	
	f.	Green belt	3,500
	g.	Others Specify	1,176.78 (vacant area)
	h.	Total	10,537
11	Mode of transportation of raw material and storage facility		The raw materials are either obtained from local suppliers & transported by road or imported and transported by sea. Dedicated facility for storage.
12	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		Not applicable
13	Fly ash production, storage and disposal details where coal is used as fuel		Not applicable
14	Details of Plant and Machinery with capacity/ Technology used		Equipment and machinery details as in Section 2.6.2, Chapter 2 of EIA.

15	Details of VOC emission and control measures wherever applicable		• Nitrogen blanketing system provided to solvent storage tanks • Implementation of Leak Detection and Repair system. Measures to control fugitive emissions are detailed in Section 2.8.4.3 of EIA.				
16	WATER						
	I.	Construction phase					
	a.	Source of water	KIADB				
	b.	Quantity of water for Construction in KLD	Negligible as construction activity is minimal and involves foundation works for installation of equipment & machinery.				
	c.	Quantity of water for Domestic Purpose in KLD	2.5 KLD				
	d.	Wastewater generation in KLD	2 KLD				
	e.	Treatment facility proposed and scheme of disposal of treated water	Modular STP 3KLD				
	II	Operational phase					
	a.	Source of water	KIADB				
	b.	Total requirement of water in KLD	Fresh	37.5			
			Recycled	0			
			Total	37.5			
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	34.5			
			Recycled	0			
			Total	34.5			
	d.	Requirement of water for domestic purpose in KLD	Fresh	3			
			Recycled	-			
			Total	3			
	e.	Wastewater generation in KLD	Industrial effluent	12.595			
			Domestic sewage	2.5			
			Total	15.095			
	f.	ETP/ STP capacity	Modular STP capacity: 3 KLD Trade effluent sent to CETP for treatment and disposal.				
	g.	Technology employed for Treatment	Domestic sewage: modular STP Trade effluent: CETP Utilities effluent: neutralization, equalization				
	h.	Scheme of disposal of excess treated water if any	Utility wastewater and treated domestic sewage reused for greenbelt.				
17	Infrastructure for rain water harvesting		The rainwater from roof-tops will be diverted to existing raw water collection tank of 200 KL capacity.				
18	Storm water management plan		Storm water from greenbelt & paved area will be collected in a tank of 65 KL capacity.				
19	Air pollution						
	a.	Sources of air pollution	Stack attached to	Capacities and numbers	Stack height	Air pollution control measures	

			EXISTING
			DG sets: 1x200 kVA + 1x10 kVA; 18 m AGL common stack; In-built acoustics Thermic fluid heater: 1x4 Lakh K cal/h; common stack; - Boiler*: 1x5 TPH; 30 m AGL; Multi-cyclone dust collector
			PROPOSED
			DG set: 1x160 kVA; 18 m AGL common stack along with existing DG sets; In-built acoustics
			*It is proposed to replace the existing solid fuel fired 5 TPH boiler with 8 TPH dual fuel fired [liquid – HSD / gas – propane / Compressed Natural Gas (CNG) / Piped Natural Gas (PNG)].
	b.	Composition of emissions	SPM, SO_2, NOx
	c.	Air pollution control measures proposed and technology employed	Control measures as given in Section 19.a above
20	Noise pollution		
	a.	Sources of noise pollution	The major sources of noise pollution in the industry are DG sets, boiler, pumps, compressors, reactors during the manufacturing process etc.
	b.	Expected levels of noise pollution in dB	Within limits prescribed by CPCB for industrial area.
	c.	Noise pollution control measures proposed	• In-built acoustics for DG. • In-built design of mechanical equipment viz., silencers, dampers, suitable foundation for the equipment. • The workers engaged in high noise zone are provided with earmuffs. • Equipment will be kept in good condition to control the noise. • Vegetation (tree plantation) along the periphery and at various vacant locations within the industry premises.
21	WASTE MANAGEMENT		
	I.	Operational Phase	

<table>
<tr><td></td><td>a.</td><td>Quantity of Solid waste generated per day and their disposal</td><td>
<table>
<tr><th>Sl. No.</th><th>Solid waste</th><th>Quantity, kg/day</th><th>Disposal</th></tr>
<tr><td>1</td><td>Domestic garbage</td><td>13</td><td>Segregated at source, collected in bins and handed over to local authorities.</td></tr>
<tr><td>2</td><td>Boiler ash*</td><td>820</td><td>Given to nearby farmers for use as soil conditioner and for brick manufacturing.</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><td>Detailed in summary</td></tr>
<tr><td></td><td>c.</td><td>Quantity of E waste generation with source and mode of Disposal as per norms</td><td>-</td></tr>
<tr><td>22</td><td colspan="3">POWER</td></tr>
<tr><td></td><td>a.</td><td>Total Power Requirement in the Operational Phase with source</td><td>Power requirement after expansion will be 190 kVA sourced from Bangalore Electricity Supply Company Ltd. - BESCOM.</td></tr>
<tr><td></td><td>b.</td><td>Numbers of DG set and capacity in KVA for Standby Power Supply</td><td>At present, there are 1x200 kVA & 1x10 kVA DG sets and it is proposed to install new 1x160 kVA DG set as standby during power failure.</td></tr>
<tr><td></td><td>c.</td><td>Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,</td><td>• Fuel for boiler: Briquettes
• Fuel for DG sets & thermic fluid heater: HSD</td></tr>
<tr><td></td><td>d.</td><td>Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007.</td><td>100 kVA solar power generation unit with 322 panels will be installed within the factory premises to be used for production, street lighting etc. The total investment proposed is Rs. 65 Lakhs.</td></tr>
</table>

The proposal is for manufacturing Industrial and specialty solvents with R&D facility. SEIAA had issued ToR on 27/08/2021. The proponent had claimed exemption from public hearing by informing that the proposed unit is in existing KIADB Industrial Area which was notified prior to EIA Notification 2006.

The proponent informed the committee that presently in the existing facility only blending, packing and repacking of industrial solvents for which they are having valid CFO from KSPCB and all other statutory clearances and presently proposing for manufacturing Industrial and specialty solvents with R&D facility in the existing area. Further the proponent informed the committee about the product and by-products details of existing and proposed as per below,

Products and by- Products with quantity:

Existing :

Sl. No.	Product	Brand name	Capacity
BLENDING			168.0 MT /month
1	Mineral turpentine oil	SOMSOL SSPTO 145	
2	Remax	SOMSOL SOLMAX 159, SOMSOL SOLMAX 159M	
3	Mixed xylene	SOMSOL SSPMX 135	
4	Solvent C-9	HISOLS 100, HISOLS D80	
5	Ortho xylene	SOMSOL SSOX	
6	Hexane	SOMSOL SOLEX 60	
7	Solvent Naptha m	HISOLS 150	
PACKING AND REPACKING			
8	ACETONE	ACETONE	
9	N BUTANOL	SOMSOL NBA	
10	CYCLOHEXANONE	CYCLOHEXANONE	
PACKING, REPACKING, BLENDING AND DISTILLATION OF FRESH SOLVENTS, GLYCOL ETHER ACETATES			350.0 MT/ month
11	ETHYL ACETATE	SOMSOL EA	
12	BUTYL ACETATE	SOMSOL BA	
13	DIACETONE ALCOHOL	DI ACETONE ALCOHOL	
14	METHYL ISO BUTYL KETONE	SOMSOL MIBK	
15	METHYL ETHYL KETONE	SOMSOL SSPRMK	
16	ISO PROPYL ALCOHOL	SOMSOL IPALC, SOMSOL IPACT,	
17	ISO BUTYL ALCOHOL	SOMSOL IBA , SOMSOL IBACT	
18	2 ETHYL HEXANOL	SOMSOL 2EH	
19	TOLUENE	TOLUENE	
20	ETHYLENE DICHLORIDE	SOMSOL SSEXS, DICHLOROMETHANE	
21	2ETHYL HEXYL ACETATE	SOMSOL 2EHA	
22	SECONDARY BUTYL ALCOHOL	SECONDARY BUTYL ALCOHOL	
23	THINNER	FNFR THINNER, FN FRTHINNER 150, XET THINNER	
24	REDUCERS	REDUCER AN 205, REDUCER AN 603, REDUCER AN 601, REDUCER PU, REDUCER AN 304,	
25	DILUENTS	SOMSOL PAT, SOMSOL SIC 303 BC	
26	HISOLS 200	HISOLS 200	
27	ETHYL CELLOSOLVE	SOMSOL EG	
28	BUTYL CELLOSOLVE	SOMSOL BG	
29	ETHYL CARBITOL	SOMSOL EDG	
30	BUTYL CARBITOL	SOMSOL BDG	

31	ETHYL CELLOSOLVE ACETATE	SOMSOL ECA	
32	BUTYL CELLOSOLVE ACETATE	SOMSOL BGA	
33	ETHYL CARBITOL ACETATE	SOMSOL EDGA	
34	BUTYL CARBITOL ACETATE	SOMSOL BDGA	
35	PROPYLENE GLYCOL MONO METHYL ETHER	SOMSOL PM, DPGMME, TPGMME, PROPYLENE GLYCOL TG, DPG, PGDO, SOMSOL PGDA, SOMSOL PGEA, SOMSOL PMISO.	
36	PROPYLENE GLYCOL MONO METHER ETHER ACETATE	SOMSOL PMA, SOMSOL DPMA	
37	ETHYL 3 ETHOXY PROPIONATE	SOMSOL EEP	
38	PROPYLENE GLYCOL MONO METHYL ETHER PROPIONATE	SOMSOL PMP	

Proposed:

Sl. No.	Product	Production, MT/month	Application/Use
1	2-Ethylhexyl Acetate (2-EHA)	60.928	Used in paints & coatings, graphic arts, auto OEM (Original Equipment Manufacturing)
2	Butyl Cellosolve Acetate (BCA)	65.848	Used in many coatings applications. It provides good tolerance for aliphatic and aromatic hydrocarbons and may be used to replace these solvents to enhance application properties such as brushability or roll application in high performance coatings. The slow evaporation rate of Butyl CELLOSOLVE Acetate Solvent also makes it ideal for use in specialty printing inks.
3	Butyl Carbitol Acetate (BCaA)	2.708	Used as a coalescing solvent in waterborne coatings. It promotes color development and touch-up properties to architectural coatings, particularly in conditions of low temperature and high humidity. Its

			mild, non-residual odour makes it ideal for use in interior latex coatings.
4	Dipropylene Glycol Methyl Ether Acetate (DPMA)	2.888	Used as active solvent for solvent-based coatings, active solvent for solvent-based silk screen printing inks, tailing solvent for solvent-based coatings.
5	Ethyl Cellosolve Acetate (ECA)	5.496	Used as solvent for nitrocellulose oils and resins, retards, blushing, lacquers, solvent for varnish removers, wood stains, textiles and leathers, coatings, dyes, insecticides, soaps and cosmetics.
6	Ethyl Carbitol Acetate (ECaA)	5.442	Used as a solvent for cellulose esters, gums, resins · As a solvent for coatings, lacquers and printing inks.
7	Ethyl Ethoxy Propionate (EEP)	62.286	High solids coatings, electro statically sprayed coatings, conventional enamels and lacquers, acrylic polymerization
8	Ethylene Glycol Diacetate (EGDA)	57.736	Used in auto OEM (original equipment manufacturer), auto refinishes, graphic arts, paints & coatings
9	Glycerol Triacetate (GTA)	1.943	Used in adhesives/sealants-B & C, Ag chem solvents, general industrial coatings, graphic arts, paints & coatings
10	Iso Butyl Acetate (IBACT)	60.389	Used in aerosol coatings, architectural coatings, auto OEM (Original Equipment Manufacturer), auto plastics, auto refinish, coil coatings, electronic coatings, furniture, general industrial coatings, graphic arts, industrial maintenance, inks, marine, metal coatings,

			pharmaceutical chemicals, process solvents, protective coatings.
11	Methoxy Propyl Acetate (PMA)	5.228	Used as active solvent for solvent-based coatings, active solvent for solvent-based silk screen printing inks, aprotic solvent in coating systems where OH reactivity is unwanted (e.g. PU/isocyanate and epoxy)
12	n Butyl Acetate (NBA)	77.670	Used in fragrance ingredients, process solvents, LCD displays
13	N Butyl Propionate (NBP)	3.031	Used in architectural coatings, Auto OEM (original equipment Manufacturer), auto plastics, automotive, commercial printing inks. General industrial coatings, marine, paints & coatings, polymer modification, wood coating.
14	Propylene Glycol Diacetate (PGDA)	5.102	Auto OEM (Original Equipment Manufacturer), auto refinish, graphic arts, paints & coatings.
15	Iso Propyl Acetate (IPACT)	128.948	It is used as a solvent in the production of cellulose, plastics, oils and fats. It is also used in the fragrance, cosmetic and personal care industry as a solvent.
16	N Pentyl Propionate (NPEP)	18.086	Used in automotive refinish, OEM coatings, appliance coatings, cleaning fluids, cosmetic/personal care solvent, fragrance solvent, printing inks, polymerization solvent for high solids acrylics.
17	Ethoxy Propyl Acetate (EPA)	8.850	Used in dyes, fuels, food additives, ink, toner & colorants, food packing, solvents, coatings, inks & graphic arts
18	Ethylene Glycol Dipropionate (EGDP)	8.203	Used in auto OEM (original equipment manufacturer), auto

			refinishes, graphic arts, paints & coatings, plasticizer
19	Iso Butyl Propionate (IBP)	3.031	Used in food additives, flavouring agents, paper plates, condiments, nut flavours, caramel, cherry, pine apple and pear, cinnamon nuances, various fruit blends, brandy
20	Propylene Glycol Mono Methyl Ether Propionate (PMP)	8.898	Used in paints, printing ink, polymers, unsaturated polyester, polyurethane, crylic acid resin, epoxy resing, detergent, leather dye, pesticide.
21	Isoamyl Acetate (IAACT)	8.710	Used as artificial flavour, solvent, varnishes, aircraft drops
	TOTAL	**601.421**	

The proponent informed the committee that at any given point of time Maximum Four products to be manufacturedz on a campaign basis and informed about pollution load of various substances,

Liquid:

Industrial / trade effluent:

Sl. No.	Parameter	Pollution load, kg/day	
		Min	Max
1	Total Dissolved Solids	61.3	65.6
2	Total Suspended Solids	0.4	0.4
3	Total Chlorides	11.4	12.3
4	Total Sulphates, as SO_4	8.8	15.3
5	Residual Sodium Carbonate	0.001	0.002
6	Oil & Grease	0.035	0.035

Utility wastewater:

Sl. No.	Parameter	Pollution load, kg/day
1	Total Dissolved Solids	<8074.5
2	Total Suspended Solids	<384.5
3	Total Chlorides, as Cl	<2307
4	Total Sulphates, as SO_4	<3845
5	Sodium Carbonate	<19.2
6	Oil & Grease	<38.5

Gaseous:

Pollution load - utilities

Particulars	Details									
	Boiler - 5 TPH – 1 no.		Thermic fluid heater – 4 Lakh K cal/h – 1 no.		D.G. sets – 200 kVA – 1 no.		D.G. set - 10 kVA – 1 no.		DG set - 160 kVA - 1 no.	
	Existing								Proposed	
	Emission rate									
	g/s	kg/day	g/s	kg/day	g/s	kg/day	g/s	kg/day	g/s	kg/day
PM_{10}	0.029	2.506	0.001	0.004	0.009	0.032	0.001	0.002	0.007	0.026
SO_2	Negligible	Negligible	0.001	0.004	0.001	0.004	0.000	0.0003	0.001	0.003
NO_x	0.39	33.696	-	-	0.178	0.640	0.017	0.060	0.142	0.512

Solid:

DOMESTIC SOLID WASTE			
Assuming per capita solid waste generation rate as 0.25 kg/capita/day			
	EXISTING	PROPOSED	TOTAL
Total no. of employees	39	13	52
Quantity of solid waste generated, kg/day	9.75	3.25	13.0
Organic solid waste: 60% of the total waste, kg/day	7.8		
Inorganic solid waste: 40% of the total waste, kg/day	5.2		
Disposal of domestic solid waste	Segregated at source, collected in bins and handed over to local authorities.		
BOILER ASH			
Assuming ash generation rate as 82 kg per ton of fuel burnt			
Existing			
Quantity of ash generated	820 kg/d		
Proposed – no addition			
Disposal of boiler ash	Given to nearby farmers for use as soil conditioner and for brick manufacturing.		

Hazardous:

Summary of the total quantity of hazardous wastes

Sl. No.	Hazardous waste	Category	Quantity				Mode of disposal or recycling or utilization in co-processing
			Unit	Existing	Proposed	Total	
1	Used / spent oil	5.1	KL/annum	0.2	0.1	0.3	Shall be collected in leak proof containers & disposed to KSPCB registered authorized re-processor.
2	Empty barrels/containers contaminated with hazardous chemical	33.1	No.s/ annum	2,500 (55 MT)	No addition	2,500 (55 TPA)	Shall be stored in a secured manner and handed over to KSPCB authorized recycler after wash only.
3	Distillation residues (reactor bottom)	20.3	MT/Annum	0	21	21	Will be sent to cement factory for co-incineration.
4	Contaminated cotton rags or other cleaning materials	33.2	MT/annum	0.01	No addition	0.01	Shall be stored in a secured manner and handed over to authorized incinerator
5	Waste residues containing oil	5.2	MT/annum	0.028	No addition	0.028	Shall be stored in a secured manner and handed over to authorized incinerator
OTHER WASES							
6	Glass wastes	B2020	MT/annum	0.020	No addition	0.020	Shall be stored in a secured manner and handed over to KSPCB authorized actual user
7	Self-adhesive label laminate waste containing raw materials	B3027	MT/annum	0.021	No addition	0.021	Shall be stored in a secured manner and handed over to authorized incinerator

The proponent has informed about pollution load and details for management of Hazardous Waste and also informed that the solvents would be stored in such a way that there would be no risk to the employees working within the project site and surrounding.

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

The committee after detailed review of the project proposal decided to have a site visit to know the suitability of the area for proposed manufacturing of solvents. Hence the committee after discussion decided to defer the project appraisal to have a site visit.

Action: Member Secretary, SEAC to putup before SEAC until submission of compliance for site visit

279.2 Iron Ore Mine Project at Ramgad Village, Sandur Taluk, Ballari District (20.23 Ha- As per lease deed) (20.35 Ha - As per CEC sketch) (M.L.No.2593) byM/s. Ramgad Minerals & Mining Ltd.- Online Proposal No.SIA/KA/MIN/72601/2018(SEIAA 59 MIN (VIOL) 2018)

About the project:

Sl.NO	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Ramgad Minerals & Mining Ltd. Baldota Enclave, Abheraj Baldota Road, Hospete-583203, Karnataka, India
2	Name & Location of the Project	Iyli Gurunath Iron Ore Mine at Ramgad Village, Sandur Taluk, Ballari District (20.23 Ha- As per lease deed (20.35 Ha - As per CEC sketch)
3	Co-ordinates	N 15° 09' 15.41" to N 15° 09'39.08" E 76° 26'26.70" to E 76° 26' 47.86
4	Type of Mineral	Iron Ore
5	New /expansion/modification /renewal	Expansion
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Forest land
7	Area in Ha	20.23 Ha As per lease deed (20.35 Ha - As per CEC sketch)
8	Annual production (metric ton /Cum) per annum	0.975 MTPA
9	Project Cost (Rs. In Crores)	22.0 Cr
10	Proved quantity of mine/quarry- Cu.m/Tons	19.513 MMT
11	Permitted quantity per annum- Cu.m/Ton	0.975 MTPA
12	Approach Road	6 Kms from quarry to connecting main road.
13	Five years plan period	Area – 9.96 Ha (Area Under Mining) Top RL- 960mRL Bottom RL – 865 mRL Length – 400m Width –249m
14	Conceptual stage	Area – 11.40 Ha (Area Under Mining) Top RL 960mRL Bottom RL 730 mRL

<table>
<tr><td></td><td></td><td>Length – 432m
Width –264m</td></tr>
<tr><td>15</td><td colspan="2">CER Activities:
1. Air Pollution Control-
Water sprinkling on the haul road
2. Environmental Monitoring
3. Afforestation
4. De-silting of silt settling tank and channels
5. Forest fire prevention works
6. Forest security works
7. Engineering works</td></tr>
<tr><td>16</td><td colspan="2">EMP Budget (including CER Activities) is 46.27 Lakhs
<table>
<tr><th>Sl. No</th><th>Particulars</th><th>Capital Cost (Rs. in Lakhs)</th><th>RecurringCost (Rs. in Lakhs)</th></tr>
<tr><td>1</td><td>Air Pollution Control-
Water sprinkling on haul road</td><td>--</td><td>9.30</td></tr>
<tr><td>2</td><td>Environmental Monitoring</td><td>--</td><td>6.16</td></tr>
<tr><td>3</td><td>Afforestation</td><td>--</td><td>4.61</td></tr>
<tr><td>4</td><td>De-silting of silt settling tank and channels</td><td>0.50</td><td>--</td></tr>
<tr><td>5</td><td>Forest fire prevention works</td><td>--</td><td>17.89</td></tr>
<tr><td>6</td><td>Forest security works</td><td>--</td><td>1.87</td></tr>
<tr><td>7</td><td>Engineering works</td><td>5.94</td><td>--</td></tr>
<tr><td></td><td>Total</td><td>6.44</td><td>39.83</td></tr>
</table></td></tr>
<tr><td>17</td><td>Forest NOC</td><td>15.03.2005</td></tr>
<tr><td>18</td><td>CCR by MoEF&CC</td><td>06.08.2018</td></tr>
<tr><td>19</td><td>Earlier E.C by MoEF&CC & Date</td><td>09.01.2006</td></tr>
<tr><td>20</td><td>CFO (KSPCB)</td><td>Valid up to 30.06.2022</td></tr>
<tr><td>21</td><td>Forest Clearance Date</td><td>15.03.2005</td></tr>
<tr><td>22</td><td>IMB Approval Date</td><td>20.07.2021</td></tr>
<tr><td>23</td><td>R&R Plan Date</td><td>22.04.2013</td></tr>
</table>

The ToR was issued by SEIAA on 30th January 2019 for 0.50 MTPA and corrigendum to ToR for 0.975MTPA was issued by SEIAA on 19th November 2021.

This is a proposal for expansion from 0.50 MTPA to 0.975MTPA iron ore production in a total area of 20.23Ha.The proponent has submitted certified compliance to the earlier E.C. conditions from Regional Office, MoEF&CC on 06.08.2018 and as compliance to R&R plan, the proponent has submitted proceedings of Monitoring committee after inspection by R&R Cell on 21.11.2017 and also submitted the certified audit report by DMG dated 21.04.2022.

Public hearing was conducted on 20.01.2022. The committee reviewed 109 statements recorded by the people who attended the public hearing and the committee observed that there were general complaints such as damage to the agricultural crops, employment opportunities to local villagers, compensation to the farmers, dust pollution control measures, health checkup to the local villagers, to provide infrastructure facilities to local villages, Gunda Reserve Forest developmental activities etc., for which the proponent made a presentation submitting point wise compliance to all these issues/requirements raised by the public during public hearing. The proponent informed that they

would strengthen the approach road as per IRC (Indian Road Congress) standard norms & also to grow trees all along the approach road for which the proponent agreed.

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

Considering the proved mineable reserve of 0.975 MTPA as per the approved Mining plan, the committee estimated the life of the mine as 20 years and decided to recommend the proposal to SEIAA for issue of Environment Clearance for annual production of 0.975 MTPA with a condition to comply with the observations made in the Certified Compliance report and to adhere to the compliance given to issues raised in the public hearing.

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

279.3 Composite Housing Scheme Project located at Sy. No. 1/1 & others of Ahobalapalya Village & Sy. No. 5/1 & others of Machonayakanahalli Village, Nelamangala Taluk, Bengaluru Rural District by M/s. Karnataka Housing Board - Online Proposal No.SIA/KA/MIS/76093/2020 (SEIAA 123 CON 2020)

The proposal is an area development project by KHB for which SEIAA had issued ToR on 06/03/2021 and Corrigendum to ToR on 04/02/2022.

The committee during discussion sought clarification regarding Thippagondanahalli Reservoir (TGR) Catchment Area, as the proposed proposal is in zone I of the TGR Catchment area and details of permitted activities in zone I as per notification and impact of proposed project on TGR Catchment area.

The proponent requested the committee that they will come back after obtaining necessary clarifications with respect to TGR Catchment Area as per Notifications.

The committee further informed the proponent to include the details of artificial pond for rain water harvesting in the proposed project, details of source of water without extracting ground water, details of drainage facilities made and precautions proposed to prevent waste water from reaching water bodies and provisions for biomethanation plant in the proposed project area.

Accordingly the committee after discussion decided to defer the project appraisal for want of above information.

Action: Member Secretary, SEAC to putup before SEAC until submission of the information sought.

279.4 Residential Apartment Project at Gunjur Village, Varthur Hobali, Bangalore East Taluk, Bangalore by Sri Puthamakula Nagendra - Online Proposal No.SIA/KA/MIS/269669/2022 (SEIAA 52 CON 2022)

About the project:

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Novolife Innovative Structures LLP, # 508 - 168/2, 2nd Floor, Gunjur Village, Varthur Hobali, Bangalore-560087

2		Name & Location of the Project	Development of Residential Apartment project at Sy No, 215/6, 215/7, 215/15, 215/10, 215/13, 215/17 and municipal No: 285 Gunjur Village, Varthur Hobali, 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 project Category 8(a) as per EIA Notification 2006.
	b.	Residential Township/ Area Development Projects	NA
4		New/ Expansion/ Modification/ Renewal	New
5		Water Bodies/ Nalas in the vicinity of project site	Secondary Nala is adjacent to project site on eastern side
6		Plot Area (Sqm)	12,949.83 Sqm
7		Built Up area (Sqm)	60,302.84 Sqm
8		FAR Permissible Proposed	 3.25 3.249
9		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Block A: 2B+G+14UF – 132 units Block B: 2B+G+14UF – 110 units Block C: 2B+G+14UF – 101 units
10		Number of units/plots in case of Construction/Residential Township/Area Development Projects	343 Nos
11		Height Clearance	As per CCZM permitted top elevation 928m AMSL Proposed top elevation 919.95mAMSL
12		Project Cost (Rs. In Crores)	Rs. 50 Cr
13		Disposal of Demolition waste and or Excavated earth	There is no demolition waste. Total earth excavation is about 41,000 m^3 For back filling = 17,000 m^3 For Landscape=11,000 m^3 For Internal Road formation =13,000 m^3
14		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	3,308.94 Sqm
	b.	Kharab Land	--
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	4,273.44 Sqm
	d.	Internal Roads	5367.45 Sqm
	e.	Paved area	
	f.	Others Specify	NA

	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA	
	h.	Total	12,949.83 Sqm	
15		WATER		
	I.	Construction Phase		
	a.	Source of water	BWSSB STP treated water	
	b.	Quantity of water for Construction in KLD	25 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	3 KLD	
	d.	Waste water generation in KLD	2 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	193 KLD
			Recycled	97 KLD
			Total	290 KLD
	b.	Source of water	BWSSB	
	c.	Wastewater generation in KLD	265 KLD	
	d.	STP capacity	265 KLD	
	e.	Technology employed for Treatment	SBR	
	f.	Scheme of disposal of excess treated water if any	Excess 120 KLD to be used for floor washing, given to nearby construction activities/ avenue plantation	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	175 cum	
	b.	No's of Ground water recharge pits	20	
17		Storm water management plan	Run off from land scape/hardscape areas to be collected in tank of 000cum capacity and excess to be harvested in RWH pits	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	Segregated and handed over to BBMP authorities	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	463 kg/day converted in to organic manure through OWC and used as manure for garden	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	309 Kg/day given to PCB authorized recycler	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	50-80 L given to PCB authorized recycler	
	d.	Quantity of E waste generation and mode of Disposal as per norms	150 Kg/year given toPCB authorized recycler	

19		POWER		
	a.	Total Power Requirement - Operational Phase	1900 KW	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500 KVA X 1 Nos. & 250 KVA X 1 No	
	c.	Details of Fuel used for DG Set	Low Sulphuric diesel	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total savings of 22.8%	
20		PARKING		
	a.	Parking Requirement as per norms	385 ECS	
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	LOS B	
	c.	Internal Road width (RoW)	8.0 mts	
21		CER Activities Proposed	Nearby Government School renovation and drain protective works	
22		EMP • Construction phase • Operation Phase	Capital investment	15.0 Lakhs
			During Construction	35.0 Lakhs/annum
			Capital investment	120.0 lakhs
			During operation	40.0 lakhs/annum

The proposal is for construction of residential apartments in an area earmarked for residential use as per RMP of BDA.

The committee during appraisal sought clarification for drain as per village map and provisions for harvesting rain water in the proposed area. The proponent informed the committee that there is a secondary drain in south eastern side of the project and has proposed avg. buffer of 35mtr from center of drain. For harvesting rain water, the proponent has proposed 175cumcapacity for runoff from rooftop and an additional tank of 100cum capacity for runoff from landscape and paved areas in addition to 20 nos recharge pits within the project area. Further the committee informed the proponent to install smart metering for individual units for conservation of water and manage excess drainage water within the site area, for which the proponent agreed.

The proponent informed that they have made provisions to grow 160 trees in the project area and to charge electrical vehicles in the proposed project area. The proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines 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 are found to be within permissible limits and informed the proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area. The committee after discussion decided to recommend the proposal to SEIAA for issue of EC with a condition to install smart metering for individual units for conservation of water.

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

279.5 Development of commercial shops, multiflex and hotel building Project at Opp. Royal Orchid Hotel, B.H Road, Shivamogga Taluk and District by Sri RATTEHALLI RAGAVENDRA - Online Proposal No.SIA/KA/MIS/266116/2022 (SEIAA 41 CON 2022)

About the product:

Sl. No	PARTICULARS		INFORMATION
1	Name & Address of the Project Proponent		R S Shyam Prasad & R S Raghavendra Owner Vinayaka Nilaya, BH Road, Vinayaka Takees Compound, Shimoga
2	Name & Location of the Project		"Vinayak Mall"- Construction of Commercial Shops, Multiplex and Hotel Building located at Katha Nos. 825, 826, 162047, 3rd Phase, Ward No 29. Opp. Royal Orchid Hotel, B H Road, Shivamogga Taluk and District - 577201
3	Type of Development		
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Commercial Shops, Mall, Hotel building Category 8(a) as per EIA Notification 2006
	b.	Residential Township/ Area Development Projects	Not Applicable
4	New/ Expansion/ Modification/ Renewal		New
5	Water Bodies/ Nalas in the vicinity of project site		NA
6	Plot Area (Sqm)		8,401.94 Sqm
7	Built Up area (Sqm)		27,914.51Sqm
8	FAR • Permissible • Proposed		 2.5 2.12
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]		B+G+4UF
10	Number of units/plots in case of Construction/Residential Township/Area Development Projects		--
11	Height Clearance		NA
12	Project Cost (Rs. In Crores)		80 crores
13	Disposal of Demolition waster and or Excavated earth		NA
14	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	3,994.36 Sqm
	b.	Kharab Land	--
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2,717.01 Sqm
	d.	Internal Roads	1,521.04 Sqm

	e.	Paved area		
	f.	Others Specify	Road widening -169.53Sqm	
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	--	
	h.	Total	8401.94 Sqm	
15	WATER			
	I.	Construction Phase		
	a.	Source of water	STP treated water for construction purpose & Tanker water for domestic	
	b.	Quantity of water for Construction in KLD	10 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	4.5 KLD	
	d.	Waste water generation in KLD	3.6 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Mobile STP	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	62 KLD
			Recycled	63 KLD
			Total	125 KLD
	b.	Source of water	Shivamogga Municipal Corporation	
	c.	Waste water generation in KLD	113 KLD	
	d.	STP capacity	120 KLD	
	e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
	f.	Scheme of disposal of excess treated water if any	For flushing – 63 KLD For Landscape – 13 KLD For HVAC – 31 KLD	
16	Infrastructure for Rain water harvesting			
	a.	Capacity of sump tank to store Roof run off	1X260 Cum	
	b.	No's of Ground water recharge pits	25 no's	
17	Storm water management plan		Runoff from hardscape/landscape areas is collected in a pond of capacity 50cum an excess water used to recharge ground water through recharge pits.	
18	WASTE MANAGEMENT			
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	Quantity – 10 kg/day Solid waste 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	Quantity –503 Kg/day Organic wastes to be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity kg/day to	

			be reused as manure for greenery development purposes.
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity – 754Kg/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 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 to be collected & stored in bins and disposed to the authorized & approved KSPCB E-waste processors.
19	POWER		
	a.	Total Power Requirement - Operational Phase	MESCOM– 1791 KW
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1X1250 kVA, 1X1010 kVA, 1X100kVA
	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	Total Savings of 21.28%
20	PARKING		
	a.	Parking Requirement as per norms	332 ECS
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards Bangalore Road – B Towards Honnavar Road - B
	c.	Internal Road width (RoW)	Approach road width – 24 m Internal road width is– 6 m
21	CER Activities Proposed		Releasing fund to Sri Mahaveer Jain Seva Trust, Kote Road, Shivamogga
22	EMP • Construction phase • Operation Phase		Construction phase – 11 lakh Operational Phase – 239 lakh

The proposal is for construction of commercial building with multiplex and hotel in an area earmarked for commercial and industrial building as per Shivamogga Bhadravathi Planing Area and the proponent informed that the proposed land use is permitted as per zoning regulations.

The committee during appraisal sought details regarding provisions for harvesting rain water in the proposed area. The proponent informed the committee that for harvesting rain water, it has been proposed to establish tank of 260 cum capacity for runoff from rooftop and a pond of capacity 50 cum for runoff from landscape and paved areas in addition to 105 nos recharge pits within the project area.

The proponent informed that they have made provisions to grow 105 trees in the project area and to charge electrical vehicles in the proposed project area. The proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines 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 are found to be within permissible limits and informed the proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater and to incorporate modern methods for conservation of water in the proposed project area. The committee after discussion decided to recommend the proposal to SEIAA for issue of EC.

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

279.6 Development of Residential Apartment Project at Agrahara Village, Bangalore North Taluk, Bangalore Urban District byM/s. VIRTUE INFRASTRUCTURES- Online Proposal No.SIA/KA/MIS/269618/2022 (SEIAA 55 CON 2022)

About the project:

Sl. No	PARTICULARS		INFORMATION
1	Name & Address of the Project Proponent		Mr. R Raghavendra Reddy Mr. Bommireddy Sunay Vardhan Managing Partners M/s. Virtue Infrastructures Flat no. 401, United Elysium, Kadugodi Main Road, Seegehalli, Bengaluru Urban -560067
2	Name & Location of the Project		Construction of Residential Apartment located at Sy. No. 36/1, 48/2, Khata No. 220/48/2&36/1 of Agrahara Village, YelahankaHobli, Bengaluru North Additional Taluk, Bengaluru District-560064
3	Type of Development		
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Construction of Residential Apartment Category 8(a) as per EIA Notification 2006
	b.	Residential Township/ Area Development Projects	Not Applicable
4	New/ Expansion/ Modification/ Renewal		New
5	Water Bodies/ Nalas in the vicinity of project site		Secondary Nala is adjacent to the project site
6	Plot Area (Sqm)		9,878.56 Sqm
7	Built Up area (Sqm)		22,337.62 Sqm
8	FAR • Permissible • Proposed		 1.75 1.74
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]		S+G+3F
10	Number of units/plots in case of Construction/Residential Township/Area Development Projects		160 Nos

11	Height Clearance		Project site elevation – 901 m Building Height – 14.99m Maximum building height: 915.99m Maximum height as per CCZM – 935m	
12	Project Cost (Rs. In Crores)		20 Crores	
13	Disposal of Demolition waster and or Excavated earth		NA	
14	Details of Land Use (Sqm)			
	a.	Ground Coverage Area	4923.02 Sqm	
	b.	Kharab Land	--	
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	3260 Sqm	
	d.	Internal Roads	1695.56 Sqm	
	e.	Paved area		
	f.	Others Specify	--	
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	--	
	h.	Total	9,878.56 Sqm (2A 18G)	
15	WATER			
	I.	Construction Phase		
	a.	Source of water	STP treated water for construction purpose & Tanker water for domestic	
	b.	Quantity of water for Construction in KLD	10 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	5 KLD	
	d.	Waste water generation in KLD	4.5 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Will be treated in septic tank	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	72 KLD
			Recycled	36 KLD
			Total	108 KLD
	b.	Source of water	BWSSB	
	c.	Waste water generation in KLD	86 KLD	
	d.	STP capacity	100 KLD	
	e.	Technology employed for Treatment	Sequence Batch Reactor (SBR) Technology	
	f.	Scheme of disposal of excess treated water if any	Available treated water – 82KLD (95% of sewage water) For flushing – 36 KLD For gardening – 26 KLD For car washing – 9 KLD For other construction activities – 11 KLD	
16	Infrastructure for Rain water harvesting			
	a.	Capacity of sump tank to store Roof run off	1X260 KL	

	b.	No's of Ground water recharge pits	12 no's
17	Storm water management plan		Runoff from hardscape area to be collected in pond of capacity 75cum and excess to be harvested in RWH pits.
18	WASTE MANAGEMENT		
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	Quantity – 10 kg/day Solid waste 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	Quantity –128 kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 10 kg/day will be reused as manure for greenery development purposes.
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity – 192 kg/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 200l/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 – 550 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1x250kVA
	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	Total savings of 22%
20	PARKING		
	a.	Parking Requirement as per norms	176 ECS
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards NH-44 – B Towards Doddagubbi – B
	c.	Internal Road width (RoW)	Approach road width – 9.2 m Internal road width – 3.5 m
21	CER Activities Proposed		Smart class facility (Desktop-3 No's, Laptop-2 No., Projector with screen-2 No.) for Jakkur Government school.
22	EMP • Construction phase • Operation Phase		Construction phase – 10.3 lakh Operational Phase – 119 lakh

The proposal is for construction of residential apartments in an area earmarked for residential use as per RMP of BDA.

The committee during appraisal sought clarification for drain as per village map and provisions for harvesting rain water in the proposed area. The proponent informed the committee that there is a secondary drain in norther side of the project and has proposed buffer of 25 mtr from center of drain. For harvesting rain water, the proponent has proposed 260 cum capacity for runoff from rooftop and a pond of 75 cum capacity for runoff from landscape and paved areas in addition to 12 nos recharge pits within the project area. Further the committee informed the proponent to install smart metering for individual units for conservation of water and manage excess drainage water within the site area, for which the proponent agreed.

The proponent informed that they have made provisions to grow 120 trees in the project area and to charge electrical vehicles in the proposed project area. The proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines 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 are found to be within permissible limits and informed the proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area. The committee after discussion decided to recommend the proposal to SEIAA for issue of EC with a condition to install smart metering for individual units for conservation of water.

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

279.7 Building Stone Quarry Project at Yemmatti Village, Kalaghatgi Taluk, Dharwad District (1-20 Acres) by Sri G.C. Patil - Online Proposal No.SIA/KA/MIN/268325/2022 (SEIAA 188 MIN 2022)

About the project:

<table>
<tr><th>Sl.No.</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Address of the Projects Proponent</td><td>Sri. G. C. Patil
Shop no-1, 1st f loor, Tirumala trade center, Nilijan Road, Hubli Taluk, Dharwad District, Karnataka -580029.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>Building Stone Quarry Project at Sy. No. 99/8A of Yemmatti Village, Kalaghatgi Taluk, Dharwad District (1-20 Acres)
<table>
<tr><th>Corner Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>A</td><td>N 15° 18' 4.07"</td><td>E 74° 58' 45.56"</td></tr>
<tr><td>B</td><td>N 15° 18' 2.53"</td><td>E 74° 58' 49.23"</td></tr>
<tr><td>C</td><td>N 15° 18' 3.89"</td><td>E 74° 58' 50.10"</td></tr>
<tr><td>D</td><td>N 15° 18' 5.00"</td><td>E 74° 58' 46.41"</td></tr>
<tr><td colspan="3">WGS-WGS 84</td></tr>
</table></td></tr>
<tr><td>3</td><td>Type Of Mineral</td><td>Building Stone Quarry</td></tr>
<tr><td>4</td><td>New / Expansion / Modification / Renewal</td><td>New</td></tr>
</table>

5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta Land
6	Area in Ha	0.607 Ha(1-20 Acres)
7	Project Cost (Rs. In Crores)	110 lakhs
8	Annual Production (Metric Ton / Cum) Per Annum	84,211 Tons/annum(including waste)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	4,26,124 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	84,211Tons Tons/annum(including waste)
11	**CER Action** • Providing solar power panels to GHPS school at Yemmati village • The proponent proposes to distribute nursery plants at Yemmati village & strengthening of approach road • Rainwater harvesting pits to the GHPS school at Yemmati village • Scientific support and awareness to local farmers to increase yield of crop and fodder • Health camp in the GHPS school at Yemmati Village.	
12	EMP Budget	Rs. 34.24 lakhs (Capital Cost) & Rs.7.25 lakhs (Recurring cost)
13	Forest NOC	14.11.2021
14	Notification	14.02.2022
15	Quarry plan	08.03.2022
16	Cluster Certificate	10.03.2022
17	Revenue NOC	15.09.2021
18	District Task Force	07.01.2022

There is an existing cart track road to a length of 810 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 4 leases including this lease area and total extent including the subject lease is 3-30 Acres and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 4,26,124 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 6 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 84,211 TPA (including waste).

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

279.8Building Stone Quarry Project at Noolvi Village, Hubli Taluk & District (2-13 Acres) by Sri Basangouda S Siddanagoudar - Online Proposal No.SIA/KA/MIN/266380/2022 (SEIAA 190 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	Sri. Basanagouda S Siddanagoudar Goudar Street, Noolvi Village & Post, Hubli Taluk, Dharwad District- 580028.
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No. 426/1 of Noolvi Village, Hubli Taluk & District (2-13 Acres)

Corner Pillar	Latitude	Longitude
A	N 15° 16' 6.85"	E 75° 10' 15.65"
B	N 15° 16' 4.91"	E 75° 10' 10.32"
C	N 15° 16' 03.01"	E 75° 10'11.09"
D	N 15° 16' 6.00"	E 75° 10' 16.67"
WGS-WGS 84		

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 Land
6	Area in Ha	0.9404 Ha (2-13 Acres)
7	Project Cost (Rs. In Crores)	1.21 Cr
8	Annual Production (Metric Ton / Cum) Per Annum	84,210 TPA (including waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	4,79,789 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	84,210 TPA (including waste)
11	**CER Activities:** • Providing solar power panels to GHPS Kannada Girls School at Noolvi Village. • Cleaning out and deepening of Noolvi Pond – 0.22 Kms (NE) & Adargunchi Pond – 2.51 Kms (NW) • Rain water harvesting pits GHPS Kannada Girls School at Noolvi Village • Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages. • Health camp in GHPS Kannada Girls School at Noolvi Village	
12	EMP Budget	Rs. 38.33 lakhs (Capital Cost) & Rs.7.61 lakhs (Recurring cost)
13	Forest NOC	07/01/2022
14	Notification	14.02.2022
15	Quarry plan	17.03.2022
16	Cluster Certificate	29.03.2022
17	Revenue NOC	07.09.2021
18	Land Conversion Order	15.11.2014

There is an existing cart track road to a length of 630 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 2 leases including this lease area and total extent including the subject lease is 4-26 Acres and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 4,79,789 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 6 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 84,210TPA (including waste).

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

279.9 Building Stone (M-Sand) Quarry Project at Sulivara Village, Bangalore South Taluk, Banglore Urban District (2-12 Acres) by M/s. S. B. Enterprises, Sri K Narayanaswamy - Online Proposal No. SIA/KA/MIN/244444/2021 (SEIAA 664 MIN 2021) - Expansion

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	M/s. S. B. Enterprises, Partner: K. Narayanaswamy, #177, Kembathahalli, Gottigere Post, BG Road, Bangalore – 560083
2	Name & Location of the Project	Building Stone (M-Sand) Quarry Project at Sy.No.59 of Sulivara Village, Bangalore South Taluk, Banglore Urban District (2-12 Acres)
3	Type Of Mineral	Building Stone Quarry
4	New / Expansion / Modification / Renewal	Expansion(QL No. 719)
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government Gomala Land
6	Area in Ha	0.930Ha (2-12Acres)

Corner Pillar	Latitude	Longitude
A	N 12° 53.623'	E 77° 21.292'
B	N 12° 53.554'	E 77° 21.280'
C	N 12° 53.554'	E 77° 21.302'
D	N 12° 53.470'	E 77° 21.313'
E	N 12° 53.470'	E 77° 21.304'
F	N 12° 53.528'	E 77° 21.293'
G	N 12° 53.528'	E 77° 21.265'
H	N 12° 53.605'	E 77° 21.267'
I	N 12° 53.605'	E 77° 21.278'
J	N 12° 53.623'	E 77° 21.280'
MAP DATUM : INDIAN-BANGLADESH		

7	Project Cost (Rs. In Crores)	1.17Cr
8	Annual Production (Metric Ton / Cum) Per Annum	1,02,041 TPA (including waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	5,79,247 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	1,02,041 TPA (including waste)
11	**CER Activities:** • Providing solar power panels to GHPS in Sulivara Village • Rain water harvesting pits to GHPS at Sulivara Village • Scientific support and awareness to local farmers to increase yield of crop and fodder • Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages • Health camp in GHPS in Sulivara Village	
12	EMP Budget	Rs. 48.81 lakhs (Capital Cost) & Rs.7.51 lakhs (Recurring cost)
13	Notification	29.12.2014
14	Quarry plan	01.12.2021
15	Cluster Certificate	02.12.2021
16	Revenue NOC	30.10.2014
17	CCR – KSPCB	22.04.2022

The proposal is for expansion, wherein EC was issued on 02/11/2015 and lease was granted on 01/04/2016. The proponent had submitted certified compliance report from KSPCB.

There is an existing cart track road to a length of 1710 meters connecting lease area to the all weather black topped road and the committee informed that increasing in production should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

Considering the proved mineable reserve of 5,79,247 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 6 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 1,02,041 TPA (including waste) with a condition to comply with the observations in certified compliance report.

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

279.10 Building Stone Quarry Project at Hiremagadi Village, Soraba Taluk, Shivamogga District (1-00 Acre) by Sri P S Manjunath - Online Proposal No.SIA/KA/MIN/245815/2021 (SEIAA 672 MIN 2021)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	Sri. P. S. Manjunath S/o. Parasappa, Kubturu, Hiremagadi Post, Soraba Taluk, Shivamogga District - 577413

<table>
<tr><td>2</td><td>Name & Location of the Project</td><td>Building Stone Quarry Project at Sy. No.17/3 of Hiremagadi Village, Soraba Taluk, Shivamogga District (1-00 Acre)<table><tr><th>Corner Pillar</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>N 14° 30' 33.08"</td><td>E 75° 13' 35.67"</td></tr><tr><td>B</td><td>N 14° 30' 33.29"</td><td>E 75° 13' 38.21"</td></tr><tr><td>C</td><td>N 14° 30' 31.58"</td><td>E 75° 13' 39.14"</td></tr><tr><td>D</td><td>N 14° 30' 31.21"</td><td>E 75° 13' 36.60"</td></tr><tr><td colspan="3">WGS-WGS 84</td></tr></table></td></tr>
<tr><td>3</td><td>Type Of Mineral</td><td>Building Stone Quarry</td></tr>
<tr><td>4</td><td>New / Expansion / Modification / Renewal</td><td>Expansion(QL No. 808)</td></tr>
<tr><td>5</td><td>Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]</td><td>PattaLand</td></tr>
<tr><td>6</td><td>Area in Ha</td><td>0.404 Ha (1-00Acre)</td></tr>
<tr><td>7</td><td>Project Cost (Rs. In Crores)</td><td>0.99Cr</td></tr>
<tr><td>8</td><td>Annual Production (Metric Ton / Cum) Per Annum</td><td>44,210.40 TPA (including waste)
(50,000 tonnes in 1st year and 1,30,000 tonnes in the 2nd year and 10,000 tonnes per annum for remaining 3 years of plan period.)</td></tr>
<tr><td>9</td><td>Proved Quantity of mine/ Quarry-Cu.m / Ton</td><td>2,34,301 Tonnes (including waste)</td></tr>
<tr><td>10</td><td>Permitted Quantity Per Annum - Cu.m / Ton</td><td>44,210.40 TPA (including waste)
(50,000 tonnes in 1st year and 1,30,000 tonnes in the 2nd year and 10,000 tonnes per annum for remaining 3 years of plan period.)</td></tr>
<tr><td>11</td><td colspan="2">CER Activities:
Providing solar power panels to GHPS in Hiremagadi vaddigere Village.
Rain water harvesting pits to GLPS at Hiremagadi vaddigere village.
The proponent proposes to distribute nursery plants at GLPS Hiremagadi vaddigere Village & Strengthening of approach road.
Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages
Health camp in GLPS Hiremagadi vaddigere Village</td></tr>
<tr><td>12</td><td>EMP Budget</td><td>Rs. 29.03 lakhs (Capital Cost) & Rs.6.88 lakhs (Recurring cost)</td></tr>
<tr><td>13</td><td>Forest NOC</td><td>28.03.2017</td></tr>
<tr><td>14</td><td>Quarry plan</td><td>04.01.2021</td></tr>
<tr><td>15</td><td>Cluster Certificate</td><td>07.01.2021</td></tr>
<tr><td>16</td><td>Revenue NOC</td><td>17.04.2017</td></tr>
<tr><td>17</td><td>District Task Force</td><td>26.09.2017</td></tr>
</table>

The proposal is for expansion, where in EC was issued by DEIAA on 16/03/2018 and lease was granted on 12/06/2020. The proponent submitted nil audit report certified by DMG and informed the committee that the mine has not been worked after grant of lease.

There is an existing cart track road to a length of 664 meters connecting lease area to the all weather black topped road and the committee informed that production has to be increased only after asphalting the approach road to the quarry & the road connecting to the crusher as per

IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

Considering the proved mineable reserve of 2,34,301 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 6 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 44,210.40TPA (including waste) with a condition to comply with the observations in certified compliance report.

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

279.11 Ornamental Stone Green Granite Quarry Project at Kallugudugunahalli Village, Hassan Taluk, Hassan District (4-17 Acres) by) Sri Huchegowda - Online Proposal No.SIA/KA/MIN/267418/2022 (SEIAA 178 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Addressof the Projects Proponent	Sri. Huchegowda S/o. Nanjegowda H.No. 8, Kallugudugunahalli Village, Shanthi Grama Hobli, Hassan Taluk & District
2	Name & Location of the Project	Ornamental Stone Green Granite Quarry Project at Sy.No.14 of Kallugudugunahalli Village, Hassan Taluk, Hassan District (4-17 Acres) P. No. / Latitude / Longitude A / N 12°53' 50.6" / E 76°12' 10.9" B / N 12°53' 51.0" / E 76°12' 16.2" C / N 12°53' 46.9" / E 76°12' 16.3" D / N 12°53' 47.1" / E 76°12' 11.4"
3	Type Of Mineral	Ornamental Stone Green Granite Quarry
4	New / Expansion / Modification / Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta Land
6	Area in Ha	1.790Ha (4-17 Acres)
7	Project Cost (Rs. In Crores)	Rs. 1.46cr
8	Annual Production (Metric Ton / Cum) Per Annum	10,000 Cu.mt/annum(including waste) (25% Recovery & 75% Waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	2,10,040Cu.mt (including waste) (25% Recovery & 75% Waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	10,000 Cu.mt/annum(including waste) (25% Recovery & 75% Waste)
11	**CER Activities:** • Providing solar power panels to the GJC school at Shanthigrama village • Rain water harvesting pits GJC school at Shanthigrama village • Conducting E-waste drive campaigns in the Kallugudugunahalli Village • Scientific support and awareness to local farmers to increase yield of crop and fodder • Health camp in GJC school at Shanthigrama village	

12	EMP Budget	Rs. 46.25 lakhs (Capital Cost) & Rs.13.47 lakhs (Recurring cost)
13	Forest NOC	23/11/2017
14	District Task Force	11.09.2018
15	Quarry plan	12.03.2019
16	Joint Inspection Report	12.11.2018
17	Revenue NOC	03.01.2018 & 08.01.2018
18	Cluster Certificate	08.04.2022

The proponent had obtained working permission on 05/01/2006 and has submitted the audit report dated 31/03/2022 certified by DMG authorities. As per the audit report the proponent worked from 2005-06 to 2009-10. The proponent informed the committee that DMG authorities in their letter dated 06/12/2010 have cancelled the license and no quarrying activities have carried out till date after the of license was cancelled.

There is an existing cart track road to a length of 790 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 3 leases including this lease area and total extent including the subject lease is 5-37 Acres and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 2,10,040 Cu.mt (including waste) (25% Recovery & 75% Waste) as per the approved quarry plan, the committee estimated the life of the mine as 21 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 10,000 Cu.mt/annum (including waste) (25% Recovery & 75% Waste).

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

279.12 Building Stone Quarry Project at Sy. Nos. 187/1 & 187/2 of Doddashalavara Village, Belur Taluk, Hassan District (3-00 Acres) by Sri S. K. Kumar - Online Proposal No.SIA/KA/MIN/262621/2022 (SEIAA 124 MIN 2022)

In regard to the present proposal a compliant has been received from Shri Manjunath on 25/05/2022, requesting not to grant EC for the present proposal as the DMG authorities while approving quarry plan, have not considered existing road adjacent to proposed quarry area and house within a distance of 200-250mtrs from the quarry area and also nearby agriculture fields/plantation.

Copy of compliant was served to the proponent and the committee informed the proponent to submit the clarification obtained from DMG authorities in this regard. The committee after discussion decided to defer the appraisal of the project until clarification for the above compliant sought.

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

279.13 Ordinary Sand Quarry Project at Teggihal Village, Savadatti Taluk & Belagavi District (5-00 Acres) by M/s. Mahalaxmi Natural Sand Unit- Online Proposal No.SIA/KA/MIN/265870/2022 (SEIAA 167 MIN 2022)

About the project:

<table>
<tr><th>Sl.No</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Addressof the Projects Proponent</td><td>M/s. Mahalaxmi Natural Sand Unit
Partner: Sri Veeranna A. Hunashimarad &
Sri Chandrashekar S. Muchandi.
Sy. No. 42/2, Taggihal Village, Tq: Savadatti, Dist: Belagavi</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>Ordinary Sand Quarry Project at Sy. Nos. 42/2, 3 & 43 of Teggihal Village, Savadatti Taluk & Belagavi District (5-00 Acres)
<table>
<tr><th>C. P</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>A</td><td>N 15° 52' 01.19"</td><td>E 75° 07' 36.70"</td></tr>
<tr><td>B</td><td>N 15° 52' 02.29"</td><td>E 75° 07' 31.09"</td></tr>
<tr><td>C</td><td>N 15° 52' 06.39"</td><td>E 75° 07' 31.49"</td></tr>
<tr><td>D</td><td>N 15° 52' 06.29"</td><td>E 75° 07' 32.60"</td></tr>
<tr><td>E</td><td>N 15° 52' 05.70"</td><td>E 75° 07' 32.59"</td></tr>
<tr><td>F</td><td>N 15° 52' 05.60"</td><td>E 75° 07' 36.79"</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 Land</td></tr>
<tr><td>6</td><td>Area in Ha</td><td>2.02 Ha.(5-00 Acres)</td></tr>
<tr><td>7</td><td>Annual Production (Metric Ton / Cum) Per Annum</td><td>39,089 Tons/ Annum</td></tr>
<tr><td>8</td><td>Project Cost (Rs. In Crores)</td><td>0.65Cr</td></tr>
<tr><td>9</td><td>Proved Quantity of mine/ Quarry- Cu.m / Ton</td><td>79,774 Tonnes (Including Waste)</td></tr>
<tr><td>10</td><td>Permitted Quantity Per Annum - Cu.m / Ton</td><td>39,089 (Max) Tons/ Annum</td></tr>
<tr><td>11</td><td colspan="2">CER Activities:
Propose take up 500 No. of additional plantation on either side of the approach roadfrom quarry location to Teggihal Village Road</td></tr>
<tr><td>12</td><td>EMP Budget</td><td>Rs.11.85Lakhs (Capital Cost) &8.00 Lakhs (Recurring cost for 2 years)</td></tr>
<tr><td>13</td><td>Forest NOC</td><td>17.09.2018</td></tr>
<tr><td>14</td><td>C & I Notification</td><td>02.06.2021</td></tr>
<tr><td>15</td><td>Quarry plan</td><td>02.03.2022</td></tr>
<tr><td>16</td><td>Cluster Certificate</td><td>01.04.2022</td></tr>
<tr><td>17</td><td>Revenue NOC</td><td>31.07.2018</td></tr>
<tr><td>18</td><td>Joint survey Report</td><td>10.08.2018</td></tr>
</table>

There is an existing cart track road to a length of 360 km connecting the lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road and to stabilize the halla portion for which the proponent agreed.

As per the cluster sketch there are no other leases within 500 meter radius and the total area of the subject lease is 5-00 Acres and hence the project is categorized as B2.The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits. The proponent agreed to follow the conditions stipulated in sustainable sand mining guidelines 2016 and Enforcement & Monitoring guidelines 2020.

Considering the proved mineable reserve of 79,774 tonnes as per the approved quarry plan, the committee estimated the life of the mine as 2 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 39,089 Tons.

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

279.14 Building Stone Quarry Project at Aloor Village, Yadrami Taluk, Kalaburagi District (1-00 Acre) by Sri Adevappagauda - Online Proposal No.SIA/KA/MIN/266344/2022 (SEIAA 201 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Addressof the Projects Proponent	Sri AdevappagaudaS/o Veerabasappa Gauda, R/o: Waravi,Tq: Yadrami,Dist: Kalaburagi
2	Name & Location of the Project	Building Stone Quarry Project at Sy. No. 281/*/2 of Aloor Village, Yadrami Taluk, Kalaburagi District (1-00 Acre)
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 Land
6	Area in Acres	1-00 Acre
7	Annual Production (Metric Ton / Cum) Per Annum	35,156 TPA(including waste)
8	Project Cost (Rs. In Crores)	0.25Cr
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	1,79,366 Tonnes (including waste)
10	Permitted Quantity Per Annum -	35,156 TPA(including waste)

B. P. No.	Latitude	Longitude
A	N 16° 53' 22.6"	E 76° 36' 50.9"
B	N 16° 53' 23.4"	E 76° 36' 52.2"
C	N 16° 53' 26.5"	E 76° 36' 51.8"
D	N 16° 53' 25.7"	E 76° 36' 50.5"

	Cu.m / Ton	
11	**CER Activities:** Propose take up of additional plantation on either side of the approach road from quarry location to Aloor Village Road	
12	EMP Budget	Rs. 4.775 Lakhs (Capital Cost) &11.55 Lakhs (Recurring cost for 5 years)
13	Forest NOC	11.08.2021
14	Notification	05.01.2022
15	Quarry plan	10.03.2022
16	Cluster Certificate	17.03.2022
17	Revenue NOC	17.12.2021
18	Joint Survey Report	22.12.2021

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 should be commenced after strengthening the approach road to the quarry & the road connecting to the crusher as per standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are no other lease and the area of present lease is 1-00 Acre and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 1,79,366 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 5 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 35,156 TPA (including waste).

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

279.15 Building Stone Quarry Project at Ammanagudi Kaval Village, Belur Taluk, Hassan District (5-12 Acres) by Smt. Gousiya Khanum - Online Proposal No.SIA/KA/MIN/262851/2022 (SEIAA 130 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Addressof the Projects Proponent	Smt. Gousiya KhanumW/o. C. N. Akmal, Sharief Street, Near Madina Masidhi, Chikkamagalur
2	Name & Location of the Project	Building Stone Quarry Project at Sy. No. 24 of Ammanagudi Kaval Village, Belur Taluk, Hassan District (5-12 Acres)

		B. P. No.	**Latitude**	**Longitude**
		A	N 13° 10' 56.47"	E 75° 55' 53.25"
		B	N 13° 10' 55.37"	E 75° 55' 55.09"
		C	N 13° 10' 50.40"	E 75° 55' 55.90"
		D	N 13° 10' 49.80"	E 75° 55' 51.90"
		E	N 13° 10' 54.90"	E 75° 55' 51.40"
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 Land		
6	Area in Acres	5-12 Acres		
7	Annual Production (Metric Ton / Cum) Per Annum	1,79,734 TPA (including waste)		
8	Project Cost (Rs. In Crores)	0.80Cr		
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	8,98,671 Tonnes (including waste)		
10	Permitted Quantity Per Annum - Cu.m / Ton	1,79,734 TPA (including waste)		
11	**CER Activities:** Proposed to take up additional plantation on either side of the approach road from quarry location to Ammanagudi Kaval Village Road			
12	EMP Budget	Rs. 12.875 Lakhs (Capital Cost) &23.45 Lakhs (Recurring cost for 5 years)		
13	Forest NOC	17.05.2021		
14	Notification	25.02.2022		
15	Quarry plan	08.03.2022		
16	Cluster Certificate	08.03.2022		
17	Revenue NOC	04.02.2021		

There is an existing cart track road to a length of 600 meters connecting lease area and crusher area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are no other lease and the area of present lease is 5-12 Acres and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 8,98,671 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 5 years. The committee decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 1,79,734 TPA (including waste).

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

279.16 Grey Granite Quarry Project at Kakkihalli Village, Kuknoor Taluk, Koppala District (6-20 Acres) by Sri GN Gurusiddappa - Online Proposal No.SIA/KA/MIN/263374/2022 (SEIAA 189 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	Sri GN Gurusiddappa No. 216, 1st Main Road, 7th Block, Koramangala, Bangalore Urban,Karnataka-560034
2	Name & Location of the Project	Grey Granite Quarry Project at Sy.No.78/2 of Kakkihalli Village, Kuknoor Taluk, Koppala District (6-20 Acres)

POINTS	LATITUDE	LONGITUDE
A	15°29'36.30"	76°00'59.50"
B	15°29'38.87"	76°00'59.26"
C	15°29'38.87"	76°00'58.04"
D	15°29'45.42"	76°00'57.32"
E	15°29'45.51"	76°01'01.31"
F	15°29'38.58"	76°01'01.30"
G	15°29'38.62"	76°01'02.40"
H	15°29'36.51"	76°01'02.76"

3	Type Of Mineral	Grey Granite Quarry
4	New / Expansion / Modification / Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta Land
6	Area in Ha	6-20 Acres
7	Project Cost (Rs. In Crores)	Rs. 38.50Lakhs
8	Annual Production (Metric Ton / Cum) Per Annum	21,277.8 TPA (including waste)(30% recovery and 70% waste)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	8,91,876Tonns (including waste)(30% recovery and 70% waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	21,277.8 TPA (including waste)(30% recovery and 70% waste)
11	**CER Activities:** • Construction of two toilets along with overhead water tank with Borewell with power connection & yearly maintenance of the same & Anganwadi kitchen, at Govt. Primary school in Kakkihalli village. • Desilting &rejuvenation a Benakal kere, Drinking water	
12	EMP Budget	Rs. 2.55Lakhs (Capital Cost) &16.75Lakhs (Recurring cost for 5 years)

13	Forest NOC	17.11.2020
14	District Task Force	15.01.2021
15	Quarry plan	16.03.2022
16	Notification Cop	06.02.2021
17	Revenue NOC	28.10.2020
18	C & I	12.04.2022
19	Cluster Certificate	20.04.2022

There is an existing cart track road to a length of 1100meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 11 leases including the present lease within 500 meter radius from this lease out of which09 leases are exempted from cluster asthe leases are granted prior to 09/09/2013. The total area of the remaining leases including the present lease is 9-20 Acres and hence the project is categorized as B2.

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

Considering the proved mineable reserve of 8,91,873Tonnes(including waste) (30% Recovery & 70% waste) as per the approved quarry plan, the committee estimated the life of the mine to be coterminous with the lease period. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 21,277.8 TPA (including waste 70% waste& 30% Recovery)

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

279.17 Building Stone Quarry Project at Sy.No.135/*/3 of Taveragera Village Kalaburagi Taluk Kalaburagi District (2-34 Acres) by Sri Praveen S/o. Rajendra Andral - Online Proposal No.SIA/KA/MIN/268545/2022 (SEIAA 194 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Addressof the Projects Proponent	Sri Praveen S/o. Rajendra Andral H.No.10-105/37,"Raj Nivas", Sharan Nagar, Kalaburagi
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.135/*/3 of Taveragera Village Kalaburagi Taluk Kalaburagi District (2-34 Acres)

1.	N17°23'57.0"	E76°53'29.0"
2.	N17°24'00.5"	E76°53'30.2"
3.	N17°24'01.2"	E76°53'26.4"
4.	N17°23'57.6"	E76°53'26.0"

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 Land
6	Area in Ha	(1.153 Ha) 2-34 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	60,930.8 TPA (including waste)
8	Project Cost (Rs. In Crores)	0.75cr
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	5,44,594 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	60,930.8 TPA (including waste)
11	**CER Activities:** Plantations both side of halla or nala and Maintainance ,Watering of plantations for five years	
12	EMP Budget	Rs.16.20 lakhs (Capital Cost) & Rs. 10.00 lakhs (Recurring cost)
13	Forest NOC	29.09.2018
14	Notification	19.06.2021
15	Quarry plan	25.08.2021
16	Cluster Certificate	13.04.2022
17	Revenue NOC	20.12.2017

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 should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 06 leases including the present lease within 500 meter radius from this lease out of which01 lease is exempted from cluster as the EChave been issued prior to 15.01.2016 and another 01 lease is exempted from cluster as the leasehas been granted prior to 09/09/2013. Thus the total area of the remaining leases including the present lease is 8-34 Acres and hence the project is categorized as B2.

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

Considering the proved mineable reserve of 5,44,594 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 9 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 60,930.8 TPA (including waste).

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

279.18 Ordinary Sand Quarry Project at Navali Village, Kanakagiri Taluk, Koppal District (10-24 Acres) by M/s. Venkateshwara Minerals - Online Proposal No.SIA/KA/MIN/267559/2022 (SEIAA 187 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Addressof the Projects Proponent	M/s. Venkateshwara Minerals Door No 22-1-506-168, asst no 2044, Ward No 22, 3rd Floor, J P Nagar, Hosapete, Ballary-583201.
2	Name & Location of the Project	Ordinary Sand Quarry Project at Sy.Nos. 212/1/2, 212/1/3, 212/1/4 & 212/1/5 of Navali Village, Kanakagiri Taluk, KoppalDistrict (10-24 Acres)

Boundary Points	Latitude	Longitude
A	N 15° 39' 01.5"	E 76° 33' 03.8"
B	N 15° 38' 59.1"	E 76° 33' 11.9"
C	N 15° 38' 52.8"	E 76° 33' 09.9"
D	N 15° 38' 55.9"	E 76° 33' 04.7"
E	N 15° 38' 57.5"	E 76° 33' 02.5"
WGS-84 DATUM		

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 Land
6	Area in Ha	4.289 Ha (10-24Acres)
7	Annual Production (Metric Ton / Cum) Per Annum	39,249 TPA (including waste)
8	Project Cost (Rs. In Crores)	1.55Cr
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	1,96,248 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	39,249 TPA(including waste)
11	**CER Activities:** • Providing solar power panels to GHPS school at Navali Village • Rain water harvesting pits to GHPS school at Navali Village • Scientific support and awareness to local farmers to increase yield of crop and fodder • Avenue plantation either side of the approach road near GHPS school at Navali Village • Health camp in GHPS school at Navali Village	
12	EMP Budget	Rs. 30.65 lakhs (Capital Cost) & Rs.10.23 lakhs (Recurring cost)
13	Forest NOC	11.03.2022
14	Quarry plan	07.04.2022
15	Cluster Certificate	07.04.2022
16	Revenue NOC	10.03.2022
17	Joint Inspection Report	14.03.2022
18	Notice by DMG	31/03/2022

There is an existing cart track road to a length of 600 meters connecting the lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are no other lease within 500 meter radius and the total area of the subject lease is 10-24 Acres and hence the project is categorized as B2.The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits. The proponent agreed to follow the conditions stipulated in sustainable sand mining guidelines 2016 and Enforcement & Monitoring guidelines 2020.

Considering the proved mineable reserve of 1,96,248 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 5 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 39,249 TPA (including waste).

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

279.19 Building Stone Quarry Project at Kukkandur Village, Karkala Taluk, Udupi District (2-50 Acres) by Sri Vrushbaharaja Kadamba - Online Proposal No.SIA/KA/MIN/269908/2022 (SEIAA 203 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	Sri Vrushbaharaja Kadamba S/o. Jinaraj Kadamba, Kerthadiguttu mane, Kukkandur Village, Karkala Taluk, Udupi District – 576117.
2	Name & Location of the Project	Building Stone Quarry Project at Sy. No. 438/1A of Kukkandur Village, Karkala Taluk, Udupi 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 Land
6	Area in Ha	1.011Ha(2-50 Acres)
7	Project Cost (Rs. In Crores)	1.22Cr
8	Annual Production (Metric Ton / Cum) Per Annum	37,894.6 TPA (including waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	5,59,658 Tonnes (including waste)

Corner Pillar	Latitude	Longitude
A	N 13° 14' 49.70"	E 74° 58' 10.20"
B	N 13° 14' 52.50"	E 74° 58' 11.50"
C	N 13° 14' 52.10"	E 74° 58' 16.50"
D	N 13° 14' 49.30"	E 74° 58' 11.60"
MAP DATUM - WGS 84 DATUM		

10	Permitted Quantity Per Annum - Cu.m / Ton	37,894.6 TPA (including waste)
11	**CER Activities:** • Providing solar power panels to GHPS school at Kukkundoor village. • Rain water harvesting pit GHPS school at Kukkundoor village. • Conducting E-waste drive campaigns in the Kukkundoor village. • Scientific support and awareness to local farmers to increase yield of crop and fodder • Health camps of GHPS school at Kukkundoor village.	
12	EMP Budget	Rs. 30.73 lakhs (Capital Cost) & Rs.7.08 lakhs (Recurring cost)
13	Forest NOC	08.02.2018
14	Notification	10.02.2022
15	Quarry plan	11.04.2022
16	Cluster Certificate	26.04.2022

There is an existing cart track road to a length of 450 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 2 lease including this lease area and total area including the present lease is5.7Acres and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 5,59,658 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 15 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 37,894.60 TPA (including waste).

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

279.20 Building Stone Quarry Project at Kalenahalli Village, Srirangapatna Taluk, Mandya District (2-10 Acres) by Sri Prajwal L S - Online Proposal No.SIA/KA/MIN/271094/2022 (SEIAA 225 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Addressof the Projects Proponent	Sri Prajwal L S,S/o. K Shankaregowda, #168/1, 2nd Cross, Kallahalli,Mandya Town, Mandya District-571401.
2	Name & Location of the Project	Building Stone Quarry Project at Sy. Nos. 30/4 and 30/7 of Kalenahalli Village, Srirangapatna Taluk, Mandya District (2-10 Acres)

		GPS READINGS OF CORNER PILLERS POINT / LATITUDE / LONGITUDE A / N 12° 26' 30.2" / E 76° 46' 10.5" B / N 12° 26' 29.7" / E 76° 46' 13.9" C / N 12° 26' 28.1" / E 76° 46' 13.8" D / N 12° 26' 26.9" / E 76° 46' 11.8" E / N 12° 26' 27.2" / E 76° 46' 10.3" DATUM-WGS-84
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 Land
6	Area in Ha	0.910 Ha(2-10 Acres)
7	Project Cost (Rs. In Crores)	1.20Cr
8	Annual Production (Metric Ton / Cum) Per Annum	1,05,263 TPA (including waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	5,87,648 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	1,05,263 TPA (including waste)
11	**CER Activities:** • Providing solar power panels to common public places to the GHPS school at Shivalli village. • Scientific support and awareness to local farmers to increase yield of crop and fodder • Rain water harvesting pits to the GHPS school at Shivalli village. • Conducting E-waste drive campaigns at Shivalli village. • Health camp in nearby GHPS school at Shivalli village.	
12	EMP Budget	Rs. 19.08 lakhs (Capital Cost) & Rs.7.86 lakhs (Recurring cost)
13	Forest NOC	30.11.2021
14	Notification	14.02.2022
15	Quarry plan	31.03.2022
16	Cluster Certificate	28.03.2022
17	Revenue	07.12.2021

There is an existing cart track road to a length of 120 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after strengthening the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are no other leases and total area of the present lease is 2-10A, hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative

measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 5,87,648Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 6 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 1,05,263TPA (including waste).

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

279.21 Lohad & Habal (T) Sand Block Project at Lohad & Habal (T) Village, Sedam Taluk, Kalburgi District (9-00 Acres) by M/s. Hutti Gold Mines Co. Ltd. - Online Proposal No.SIA/KA/MIN/260069/2022 (SEIAA 98 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Addressof the Projects Proponent	I/c Manager (Exploration) Hutti Gold Mines Co. Ltd., Hutti, Raichur,Karnataka - 584115
2	Name & Location of the Project	Lohad & Habal (T) Sand Block Project at Sy. Nos.136,124,13 & 14 in Lohad & Habal (T) Village, Sedam Taluk, Kalburgi District (9-00 Acres)
3	Type Of Mineral	Lohad & Habal (T) Sand Block (River Sand Quarry)
4	New / Expansion / Modification / Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Govt. Land
6	Area in Ha	3.64 Ha9-00 Acres
7	Annual Production (Metric Ton / Cum) Per Annum	47,471 TPA (including waste)
8	Project Cost (Rs. In Crores)	1.47cr
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	2,37,356 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	47,471 TPA (including waste)

Boundary Pillar No	Geo-coordinates	
	Latitude	Longitude
A	N17 13 28.4	E77 22 04.6
B	N17 13 29.8	E77 22 05.5
C	N17 13 31.9	E77 22 01.7
D	N17 13 33.4	E77 22 02.4
E	N17 13 37.0	E77 21 55.6
F	N17 13 35.6	E77 21 54.8
G	N17 13 36.4	E77 21 53.2
H	N17 13 37.2	E77 21 50.3
I	N17 13 35.8	E77 21 49.4
J	N17 13 35.0	E77 21 52.4

11	**CER Activities:** • Providing solar power panels to GHPS School of Lohad & Habal (T) Village • Rain water Harvesting pit GHPS School of Lohad & Habal (T) Village • Scientific support and awareness to local farmers to increase yield of crop and fodder • Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages • Health camp in GHPS School of Lohad & Habal (T) Village	
12	EMP Budget	Rs. 22.50 lakhs (Capital Cost) & Rs.6.00 lakhs (Recurring cost)
13	Forest NOC	15.12.2021
14	Gazette Notification	05.08.2020
15	Quarry plan	11.11.2020
16	Cluster Certificate	16.10.2020
17	Revenue NOC	18.09.2020
18	Joint Inspection Report	19.04.2022
19	Irrigation Dept NoC	12/11/2021

There is an existing cart track road to a length of 600 meters connecting the lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry as per standard norms &should grow trees all along the approach road and informed the proponent not to use any machinery for sand mining, for which the proponent agreed and the proponent further informed the committee that existing bridge in upstream is at a distance of 500.25mtrs away from the proposed project site.

As per the cluster sketch there are no other leases within 500 meter radius and the total area of the subject lease is 9-00 Acres and hence the project is categorized as B2. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits. The proponent agreed to follow the conditions stipulated in sustainable sand mining guidelines 2016 and Enforcement & Monitoring guidelines 2020.

Considering the proved mineable reserve of 2,37,356 Tonnes (including waste) as per the approved quarry plan, the committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 47,471 Tonnes per annum for 5 years, after due replenishment every year and with a condition to abide by the Sustainable sand mining guidelines 2016 and Enforcement & Monitoring Guidelines 2020.

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

:79.22 Building Stone Quarry Project at Ucchangidurga Village, Harapanahalli Taluk, Vijayanagara District (4-20 Acres) by Sri Hanumanthappa S - Online Proposal No.SIA/KA/MIN/266166/2022 (SEIAA 170 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Addressof the Projects Proponent	Sri Hanumanthappa SS/o. S. Halappa Ucchangidurga Village,Harapanahalli Taluk, Vijayanagara District, Karnataka.

<table>
<tr><td>2</td><td>Name & Location of the Project</td><td colspan="2">Building Stone Quarry Project at Sy. Nos. 18/2, 18/3 & 17/B of Ucchangidurga Village, Harapanahalli Taluk, Vijayanagara District (4-20 Acres)
<table>
<tr><th>Points</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>14° 34' 20.3"</td><td>76° 02' 28.5"</td></tr>
<tr><td>2</td><td>14° 34' 19.5"</td><td>76° 02' 30.6"</td></tr>
<tr><td>3</td><td>14° 34' 22.7"</td><td>76° 02' 30.4"</td></tr>
<tr><td>4</td><td>14° 34' 22.1"</td><td>76° 02' 32.7"</td></tr>
<tr><td>5</td><td>14° 34' 18.6"</td><td>76° 02' 34.2"</td></tr>
<tr><td>6</td><td>14° 34' 18.4"</td><td>76° 02' 33.6"</td></tr>
<tr><td>7</td><td>14° 34' 16.9"</td><td>76° 02' 31.3"</td></tr>
<tr><td>8</td><td>14° 34' 15.2"</td><td>76° 02' 31.1"</td></tr>
</table></td></tr>
<tr><td>3</td><td>Type Of Mineral</td><td colspan="2">Building Stone Quarry</td></tr>
<tr><td>4</td><td>New / Expansion / Modification / Renewal</td><td colspan="2">New</td></tr>
<tr><td>5</td><td>Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]</td><td colspan="2">Patta Land</td></tr>
<tr><td>6</td><td>Area in Ha</td><td colspan="2">4-20 Acres</td></tr>
<tr><td>7</td><td>Project Cost (Rs. In Crores)</td><td colspan="2">0.45Cr</td></tr>
<tr><td>8</td><td>Annual Production (Metric Ton / Cum) Per Annum</td><td colspan="2">1,20,000 TPA (including waste)</td></tr>
<tr><td>9</td><td>Proved Quantity of mine/ Quarry- Cu.m / Ton</td><td colspan="2">8,29,318 Tonnes (including waste)</td></tr>
<tr><td>10</td><td>Permitted Quantity Per Annum - Cu.m / Ton</td><td colspan="2">1,20,000 TPA (including waste)</td></tr>
<tr><td>11</td><td colspan="3">CER Activities:
• Additional plantation on either side of the approach roadfrom quarry location to Ucchangidurga Village Road.</td></tr>
<tr><td>12</td><td>EMP Budget</td><td colspan="2">Rs. 21.70 Lakhs (Capital Cost) &18.30 Lakhs (Recurring cost for 5 years)</td></tr>
<tr><td>13</td><td>Forest NOC</td><td colspan="2">18.11.2021</td></tr>
<tr><td>14</td><td>Notification</td><td colspan="2">17.03.2022</td></tr>
<tr><td>15</td><td>Quarry plan</td><td colspan="2">10.02.2022</td></tr>
<tr><td>16</td><td>Cluster Certificate</td><td colspan="2">28.03.2022</td></tr>
<tr><td>17</td><td>Revenue NOC</td><td colspan="2">29.10.2021</td></tr>
</table>

There is an existing cart track road to a length of 760 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 4 leases including this lease area and the total area of all the leases including the subject lease is 10.74 Acres and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the environmental parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 8,29,318 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 7 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 1,22,449 TPA (including waste).

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

279.23 Building Stone Quarry Project at Belagali Village, Mudhol Taluk, Bagalkot District (5-13 Acres) by M/s. Bandhalaxmi Minerals Pvt. Ltd. - Online Proposal No.SIA/KA/MIN/259304/2022 (SEIAA 92 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	M/s. Bandhalaxmi Minerals Pvt. Ltd. Prop: Siddappa R Konnur Belagali Village, Mudhol Taluk, Bagalkot District, Karnataka
2	Name & Location of the Project	Building Stone Quarry Project at Sy. Nos. 242/4, 243/1 & 243/7 of Belagali Village, Mudhol Taluk, Bagalkot District (5-13 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 Land
6	Area in Ha	2.155 Ha(5-13Acres)
7	Project Cost (Rs. In Crores)	1.61Cr
8	Annual Production (Metric Ton / Cum) Per Annum	2,10,526 TPA (including waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	19,46,348 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	2,10,526TPA (including waste)

Sl.No	Latitude	Longitude
A	N 16° 25' 05.0"	E 75° 10' 15.6"
B	N 16° 25' 03.4"	E 75° 10' 25.9"
C	N 16° 25' 00.7"	E 75° 10' 25.6"
D	N 16° 25' 02.3"	E 75° 10' 18.2"
E	N 16° 25' 03.4"	E 75° 10' 15.4"
WGS - 84 DATUM		

11	**CER Activities:** • Providing solar power panels to Belagali village • Scientific support and awareness to local farmers to increase yield of crop and fodder • Rain water harvesting pits in GHPS school in Belagali village • Avenue plantation either side of the approach road in GHPS school Sadashivnagar in Belagali village • Health camp in GHPS Sadashivnagar school in Belagali village	
12	EMP Budget	Rs. 46.50 lakhs (Capital Cost) & Rs.9.96 lakhs (Recurring cost)
13	Forest NOC	18.10.2021
14	Notification	26.11.2021
15	Quarry plan	11.02.2022
16	Cluster Certificate	18.02.2022
17	Revenue NOC	05.10.2021

There is an existing cart track road to a length of 567 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are no other lease other than the subject lease and total area of the present lease is 5-13A and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 19,46,348 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 10 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 2,10,526 TPA (including waste).

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

279.24 Brigade Mixed Use Development Project at Gunjur Village, Varthur Hobli, Bangalore District by M/s. Mysore Project Pvt. Ltd. - Online Proposal No.SIA/KA/MIS/ 68733/2020 (SEIAA 125 CON 2020)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Mysore Projects Private Limited, Subsidiary of M/s. Brigade Enterprises Ltd. 29th and 30TH Floor, World Trade Centre, Brigade Gateway Campus, 26/1, Dr.Rajkumar Road, Malleswaram - Rajajinagar, Bengaluru - 560 055

2	Name & Location of the Project		Brigade Mixed Use Development at Survey Nos. 230/1, 230/2, 230/3, 230/4P, 231/1A, 231/1B, 231/2, 231/3, 231/4, 231/5, 232/1A, 232/1B, 232/1C, 232/2, 232/3, 232/4, 232/5, 232/6, 233/1, 233/2, 234/1P, 234/2, 234/3, 269/1P, 270/1, 270/2 and 270/3P of Gunjur Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru
3	Type of Development		
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Mixed Use Development Project. Category 8(b), Townships and Area development projects as per the EIA notification 2006
	b.	Residential Township/ Area Development Projects	--
4	New/ Expansion/ Modification/ Renewal		New
5	Water Bodies/ Nalas in the vicinity of project site		Four Nalas in the project area. • Nala 1:Along the North boundary • Nala 2:Along the Eastern boundary • Nala 3: In centre of the project site and flow towards East • Nala 4 :Along the Southern boundary
6	Plot Area (Sqm)		1,96,475 Sq.m (48A 22G)
7	Built Up area (Sqm)		12,54,258 Sq.m
8	FAR • Permissible • Proposed		5.2 4.0
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]		a) Residential 18 Blocks: 3B+GF+34UF b) Commercial (Office): 3 B+ GF+ 26 UF c) Hospital: 2 B+ GF + 5 UF d) School Block: 1B+GF+1UF e) Clubhouses: 3B + GF+ 2UF f) Retail Mall and Food Court:3B + GF+ 4 UF g) Sports & Recreation Centre:1 B + GF + 1 UF
10	Number of units/plots in case of Construction/Residential Township/Area Development Projects		5800 Dwelling Units of Residential Development, Offices for IT/ITES, Retail Mall, Food court/cafeteria, School, Hospital, Sports and Recreational Centre.
11	Height Clearance		Proposed maximum height is as per HAL Letter dated 11/04/2022, of 114.3mtr (988.4AMSL)
12	Project Cost (Rs. In Crores)		1450 Crores
13	Disposal of Demolition waste and or Excavated earth		• Expected volume of demolition waste generation is 1200 Metric Tonnes. Same to be segregated as per C & D waste management rules and disposed to authorized recyclers. Soil & mortar shall be used as filling material for road and

			paving area formation. • Excavated earth generation is 10,61,600 cum. Same to be completely utilized within project premises for formation of mounds within landscape, internal roads, site levelling, building back filling & manufacture of soils stabilized blocks.	
14	Details of Land Use (Sqm)			
	a.	Ground Coverage Area	38,636.64 Sq.m	
	b.	Kharab Land	5,058.71 Sq.m(Excluded from total plot area)	
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	61,993 Sq.m	
	d.	Internal Roads	85,350.36 Sq.m	
	e.	Paved area		
	f.	Others Specify	10,495 Sq.m (Area left for CDP Road & PRR)	
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	-------	
	h.	Total	1,96,475 Sq.m	
15	WATER			
	I.	Construction Phase		
	a.	Source of water	Nearby Brigade Project Site	
	b.	Quantity of water for Construction in KLD	10KLD	
	c.	Quantity of water for Domestic Purpose in KLD	20KLD	
	d.	Waste water generation in KLD	16KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Temporary STP of 20KLD capacity	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	3401KLD
			Recycled	1832KLD
			Total	5233KLD
	b.	Source of water	Bangalore Water Supply and Sewerage Board (BWSSB)	
	c.	Waste water generation in KLD	4710KLD	
	d.	STP capacity	Decentralized STPs of Total capacity of 4500KLD for Residential, 450KLD for Office, 130KLD for Retail Mall, 125KLD for School, 20KLD for Sports & Recreation Centre & Bio-medical Liquid Waste Effluent Treatment Plant of 80KLD for Hospital (Total Capacity of 5305KLD)	
	e.	Technology employed for Treatment	Sequencing Batch Reactor Technology	
	f.	Scheme of disposal of excess treated	Flushing-1832KLD,Landscaping-496	

		water if any	KLD ,Construction/Avenue Plantation-961KLD & HVAC-950KLD
16	Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	2500 cum
	b.	No's of Ground water recharge pits	52 Nos. Deep Recharge Pits
17	Storm water management plan		1 number of Collection Pond of 4000 cum to harvest excess surface runoff & 38 Nos sump of 100cum each for Podium Storm Water harvesting
18	WASTE MANAGEMENT		
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	• Organic Solid Waste of 100 kg/day to be handed over to local municipal agencies • Inorganic Waste of 50 kg/day to be sold to recyclers
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	7,490kg/day, Biodegradable Waste will be converted into compost through Organic Waste Converters and same shall be utilized as manure for plantations within the project premises.
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	11,235Kg/day, Non-Biodegradable Waste to be handed over to local authorized recyclers.
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	2,000 kg/year, which to be handed over to Authorized agencies for safe and scientific disposal
	d.	Quantity of E waste generation and mode of Disposal as per norms	500 kg/year, which to be handed over to Authorized agencies for safe and scientific disposal
19	POWER		
	a.	Total Power Requirement -Operational Phase	30MVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	20MVA (1000KVA x 20Nos.)
	c.	Details of Fuel used for DG Set	Dual Fuel mode with both High Speed Diesel (HSD) with Sulphur content less than50ppm and Compressed Natural Gas (CNG)
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total Energy Savings: 23.1%
20	PARKING		
	a.	Parking Requirement as per norms	9620 ECS
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	LOS :B
	c.	Internal Road width (RoW)	8m Wide ROW, Internal driveway
21	CER Activities		• Rejuvenation of Gunjur and Varthurlake.

		• Jobs for local people during construction and operation phase. • Free Medical check-up camps will be held • Signage on proposed CDP Road to avoid road accidents. • Providing Skill Development facilities • Infrastructure creation for sanitation systems to control waterborne diseases viz., Malaria, Dengue, Diarrhoea, Dysentery, Cholera, etc. • Plantation in community areas • Construction of 45m wide CDP Road
22	EMP • Construction phase • Operation Phase	Construction Phase:11.67Cr Operation Phase:42.83Cr

The Committee in 272nd SEAC Meeting had appraised the project but deferred for want of clearances from HAL, as the project is of 34 upper floors and in HAL Airport limits.

The proponent in the present meeting submitted the maximum permissible height obtained from HAL Airport Authorities on 11/04/2022 for a maximum height of 114.3mtrs (988.4AMSL) and informed the committee that the proposed project is to be within the permissible limits as specified by HAL Authorities.

Further the committee reiterated its earlier deliberations as below,

The proposal is for mixed use development in an area which is earmarked for residential (main) and agricultural as per Revised Master Plan of BDA. The proponent justified that land use permissible in residential (main) are residential and transportation, as the road abutting to project site is more than 18mtr wide, ancillary land use such as commercial, industrial and public use are allowed and ancillary land use is permitted as main land use.

The proponent informed that ToR was issued by SEIAA on 04/06/2021 and informed the committee that plot area reduced from 2,68,812 Sqm to 1,96,475 Sqm and BUA reduced from 17,03,600 Sqm to 12,54,258 Sqm with respect to ToRs issued, due to constraints in developing certain land areas having sensitive structures such as Schools and Temple and odd shape of the plot and requested the committee to consider the same.

The committee made note of the changes and during appraisal sought clarification for nalas present in the project area as per village map, provisions for rain water harvesting in the proposed area and provisions for bio-methanation plant and justification for height clearance. The proponent submitted clarifications and informed the committee that as per village map there are four tertiary nalas, one of the tertiary nala which originates within the project site is rerouted as per Deputy Commissioner Bangalore Order dated 20/05/2014 and nalas in north west, north east and southern direction are tertiary nalas and a buffer of 15mtrs on either side is provided for each.

For harvesting rain water, the proponent has proposed a total of 2500cum storage tank for runoff from roof top and a pond of 4000 cum capacity for runoff from landscape and paved areas in addition to 52nos of deep recharge pits. The proponent informed the committee that they would explore all the possibilities to install bio-methanation plant for the proposed project.

The proponent also submitted a revised tree list, consisting of 893 of existing trees, out of which 698 trees would be removed and 201 trees will be retained and an additional 2094 trees would be grown in lieu of the ones that are to be removed, thus proposing a total of 4625 trees in

the project area. They further informed that they have made provision for charging electrical vehicles in 5% out of the total parking slots in the proposed project.

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 are found to be within permissible limits and informed the proponent to leave buffers from the lake/drain as per the RMP of BDA and informed the proponent to harvest maximum rainwater in the proposed project area.

The committee after discussions decided to recommend the proposal for issue of EC to SEIAA with a condition to install smart metering for individual units for conservation of water and to obtain necessary permissions from concerned authorities to construct culvert/bridge on drains.

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

279.25 Residential Apartment Project at Kasavanahalli Village, Varthur Hobli, Bangalore East Taluk, Bangalore District by M/s Bren Corporation - Online Proposal No.SIA/KA/MIS/ 231433/2021 (SEIAA 117 CON 2021)

About the project:

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Amit Vernekar M/s. Bren Corporation, No. 61, Bren Balavana, 3rd floor,5thsA' Block, Koramangala, Bengaluru – 95
2	Name & Location of the Project	Construction of Residential Building At Sy. Nos. 32, 33/2, 33/3 (Old Survey No. 33/ 2) 35/1, 46/2(P), 46/3(P) (Old Survey No. 46), Kasavanahalli 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 Building Category 8(a), Building & Construction project as per the EIA notification 2006
b.	Residential Township/ Area Development Projects	NA
4	New/ Expansion/ Modification/ Renewal	New
5	Water Bodies/ Nalas in the vicinity of project site	Secondary nala in south west, primary nalas in south eastern side.
6	Plot Area (Sqm)	26,886.10 sq. m
7	Built Up area (Sqm)	84,351.06Sq m

8		FAR • Permissible • Proposed	 2.25 2.00
9		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	1 Block:2 Basement + Stilt + 21UF + Terrace Club House : Ground + 5 UF + Terrace
10		Number of units/plots in case of Construction/Residential Township/Area Development Projects	329 units
11		Height Clearance	In HAL letter dated:18.05.2022 permitted for maximum height of 71.29mtrs
12		Project Cost (Rs. In Crores)	Rs. 100 Cr.
13		Disposal of Demolition waster and or Excavated earth	No demolition activites. Excavated Earth: Quantity of Earth Work Excavation : 18,366.78 cum Backfilling with available earth : 4,591.69 cum Top soil requirement for landscape development on natural earth: 4,432.90 cum Earth used for formation of internal roads : 5,786.95 cum Excess to be used within the site: 3,555.24 cum
14		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	3061.13 Sq. m
	b.	Kharab Land	1,626.81(Excluded from total plot area)
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	8865.81 Sq. m
	d.	Internal Roads	11,573.91 Sq. m
	e.	Paved area	
	f.	Others Specify - CA	3,365.20 sq. m
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	
	h.	Total	26,866.10 sq. m(Excluding Kharab area)
15		WATER	
	I.	Construction Phase	
	a.	Source of water	Treated Sewage
	b.	Quantity of water for Construction in KLD	20 KLD
	c.	Quantity of water for Domestic Purpose in KLD	5 KLD
	d.	Waste water generation in KLD	4 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	Proposed to dispose the domestic sewage to mobile STP located within the site premises
	II.	Operational Phase	

	a.	Total Requirement of Water in KLD	Fresh	168 KLD
			Recycled	76 KLD
			Total	244 KLD
	b.	Source of water	BWSSB	
	c.	Waste water generation in KLD	204 KLD	
	d.	STP capacity	250 KLD	
	e.	Technology employed for Treatment	SBR	
	f.	Scheme of disposal of excess treated water if any		
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	250 cum	
	b.	No's of Ground water recharge pits	15 No's	
17		Storm water management plan	Run off from hardscape and land scape areas to be collected in an additional tank of 250cum capacity and excess water to be harvested in rain water harvesting pits within the site boundary.	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	823kgs/day, disposed as per norms	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	365 kgs/day of organic waste will be treated in Organic convertor	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	458 kgs/day of inorganic waste will be given to authorized vendors	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Quantity generated to be handed over to PCB authorized recyclers	
	d.	Quantity of E waste generation and mode of Disposal as per norms	Quantity generated to be handed over to PCB authorized recyclers	
19		POWER		
	a.	Total Power Requirement - Operational Phase	The power requirement is about 1952 KVA	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	2 No's of capacity 750 KVA.	
	c.	Details of Fuel used for DG Set	HSD	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total savings about 20%	
20		PARKING		
	a.	Parking Requirement as per norms	367 nos of ECS	

	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	B
	c.	Internal Road width (RoW)	Haralur road is having 12 m RoW Sarjapur road is having 24 mtrs
21		CER Activities	Rejuvenation and development of nearby lakes and to provide Drinking Water facility/Improving sanitary or drainage works in Government School of Kasavanahalli Village
22		EMP Budget • Construction phase • Operation Phase	 Construction phase: Capital cost Rs: 14.08Lakhs Operation phase: Capital cost Rs: 33.90Lakhs

The committee in 273rd SEAC Meeting had defer the proposal until proper clarification is submitted for existing buildings/constructions and details of demolition debris management as per C&D Waste Management Rules 2016 and NOC from HAL for proposed height of the building.

The proponent in the present meeting had submitted HAL NoC letter dated 18/05/2022 with a maximum permissible height of 951.89M AMSL and informed the committee that there are no existing buildings in the present site and only temporary labour sheds need are to be dismantled and hence there was no waste management in respect to demolition.

The proponent further informed the committee that with reference to clearance obtained from HAL for maximum height of 71.29 mtrs, they have increased the BUA from 74,862.41 Sqm to 84,351.06 Sqm by increasing the building height from 59.95 mtrs to 71.29 mtrs and increase in other fields accordingly. The committee took note of the changes and informed the proponent for reappraisal.

The proponent informed the committee that the proposal is for construction of residential apartment in an area earmarked for residential as per RMP of BDA and as per orders of Deputy Commissioner, Bangalore dated:19/11/2021 for rerouting of nalas, total extent of 16.08Guntas of nalakharab has been rerouted within their project area and had obtained sensitive zone clearance from BDA on 19/02/2013 for the proposed project.

The committee during appraisal sought clarification for nalas as per village map, valley as per RMP of BDA, provision made for harvesting rain water in the proposed area, details of existing buildings/construction. The proponent submitted clarification and informed the committee that for the rerouted tertiary nalas a buffer of 15mtrs from center on either sides is provided and for the secondary nala in southern side a buffer of 25mtrs from center is provided and in the valley zone a buffer of 50 mtrs is reserved for parks and open spaces, where no construction activities is proposed. For harvesting rain water, the proponent has proposed 250 cum capacity for runoff from rooftop and an additional tank of 250 cum capacity or runoff from landscape and paved areas in addition to 15 nos recharge pits within the project area. Regarding existing buildings the proponent informed the committee that existing buildings are temporary labour sheds which are to be dismantled. Further the committee informed the proponent to install smart metering for individual units for conservation of water and manage excess drainage water within the site area, for which the proponent agreed.

The proponent further informed the committee that they have made provisions to grow 335 trees in the proposed project area. The proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines 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 are found to be within permissible limits and informed the proponent to leave buffers from the lake/drain as per RMP of BDA and informed the proponent to harvest maximum rainwater in the proposed project area. The committee after discussion decided to recommend the proposal to SEIAA for issue of EC with a condition to install smart metering for individual units for conservation of water and to obtain necessary permissions to construct culvert/bridge on drains.

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

279.26 Bulk Drugs and Intermediates Manufacturing Unit Project at Humnabad Industrial Area, Gadavanthi Village, Bidar Taluk, Bidar District by M/s. Sajjan Chemical Industry- Online Proposal No.SIA/KA/IND3/248913/2021(SEIAA 07 IND 2022)

About the Project:

Sl. No	PARTICULARS	INFORMATION
1	Name of the project proponent:	**Sri. Santosh Tulasiram**
2	Name & Location of the project:	**M/s. Sajjan Chemical Industry** Plot No.16-P2, KIADB Industrial Area, Humnabad, Bidar District, Karnataka – 585330
3	New /expansion/modification / product mix change:	New
4	Plot Area	4,040 sqm (1.0 Acre)
5	Built Up Area	1478 sqm (36.58 % - Ground coverage area)
6	Project Cost	9.50 Crores.
7	Component of development:	Bulk Drugs and Intermediates Manufacturing Unit
8	Source of water -operational phase:	KIADB
9	Total Water Requirement (Domestic + Industrial) in KLD	59.20 KLD
	Fresh Water in KLD Recycled water in KLD	25.00 KLD. 34.20 KLD
10	Total wastewater generation in KLD	9.00 KLD
11	Total effluents generation in KLD	25.50 KLD
12	Scheme of disposal of excess treated water	The total wastewater generated from the industry is 34.50 KLD which includes industrial wastewater of 25.5 KLD and domestic sewage of 9.0 KLD. Domestic sewage will be treated in Sewage Treatment Plant. The industrial effluent quantity of 25.5 KLD will be treated in ZLD System (30 KLD) which includes Biological treatment system of 30 KLD and MEE of capacity 20 KLD and treated water will be utilized for cooling tower makeup.
13	ETP Capacity	30 KLD
14	STP Capacity	10 KLD
15	Waste Generation & its Disposal	
	Solid Waste	Organic waste of 12kg/day to be converted into manure throught composting and will be used for

<table>
<tr><td></td><td></td><td>gardening.
Inorganic waste of 8kg/day to be handed over to KSPCB Authorized recyclers.</td></tr>
<tr><td></td><td>Hazardous Waste</td><td>Store in secured manner and hand over to KSPCB Authorized Vendor</td></tr>
<tr><td>16</td><td>Green Belt Coverage - % of total area</td><td>1334 sqm (33.02%)</td></tr>
<tr><td>17</td><td>EMP</td><td>
<table>
<tr><th>S. No.</th><th>Description</th><th>Amount in lakhs</th><th>Amount in lakhs</th></tr>
<tr><td></td><td></td><td>Investment cost</td><td>Maintenance cost</td></tr>
<tr><td>1</td><td>Stack – Boiler/ Process</td><td>15</td><td>1</td></tr>
<tr><td>2</td><td>Water Pollution Control – ZLD</td><td>35</td><td>12</td></tr>
<tr><td>3</td><td>Environmental monitoring program</td><td>0</td><td>2</td></tr>
<tr><td>4</td><td>Audit – ISO 14001/45001</td><td>0</td><td>1.5</td></tr>
<tr><td>5</td><td>Occupational health and safety</td><td>0</td><td>1.5</td></tr>
<tr><td>6</td><td>Green Belt Development</td><td>1</td><td>1</td></tr>
<tr><td>7</td><td>Hazardous waste storage and disposal</td><td>5</td><td>12.5</td></tr>
<tr><td></td><td>TOTAL</td><td>56.0</td><td>31.5</td></tr>
</table>
</td></tr>
<tr><td>18</td><td>CER Activities</td><td>• Drinking water / sanitation Infrastructure at Humnabad Village
• Health care Infrastructure, Humnabad Govt. Hospital
• Education – Smart classroom for Naubad Govt. High School, Bidar</td></tr>
</table>

The proposal is for Bulk Drugs intermediates manufacturing. The proposed project is in KIADB industrial area and had obtained possession certificate on 01.12.2015. The proponent informed the committee that with reference to MoEF&CC Notification 16.07.2021, for projects applied under 5(f) API category between 16th July 2021 to 31st July 2021, it shall be appraised as B2 proposals and as the present proposal was applied on 30.12.2021, it has been categorized as B2 project.

The proponent informed the committee about the product and its capacity as below,

Sl. No.	Name of the API product	Capacity	CAS Number	Therapeutic Use
1.	Lornoxicam	2.00	149022-22-0	Used in treatment of mild to moderate pain, Rheumatoid Arthritis, and osteoarthritis
2.	Losartan potassium	2.00	677007-74-8	Used in treatment of endothelial Dysfunction
3.	Olmesaratan	3.50	33386-08-2	Noval and oral antagonist of angiotensin
4.	Omeprazole	12.00	842133-18-0	Gastric, Acid reflux inhibitor
5.	Telemisartan	3.50	496775-62-3	Acts on Renin-Angiotensin system
6.	Arbidol HCl Manohydrate	1.50	1624259-25-1	Reduces the formation of influenza – induced lung lesions in ferrets
7.	Azilosartan	2.00	367514-88-3	Used in treatment of Hypertension
8.	Etoxicoxib	4.00	656247-18-6	Used in treatment of Rheumatoid Arthritis, and osteoarthritis
9.	Gemifloxacin mysylate	2.00	28721-07-5	Used in treatment of acute bacterial exacerbation of chronic bronchitis
10.	Hydroxyl ethoxy piperazine	5.00	55268-74-1	Used for sedating antihistamines
11.	Illaprazole (Lansoprazole)	2.50	179474-85-2	Used in the treatment of peptic ulcer disease
	Total	40.50 TPM		

The proponent informed the committee that at any given point of time Maximum of Four products to be manufactured and informed about consolidated pollution load which is as below,

Sl. No.	Product	Capacity TPM	Water kg/day	LTDS kg/day	BCOD kg/day	TTDS kg/day	Org. Residue kg/day	Spent carbon kg/day	Raney Ni kg/day	Process emission kg/day
1	Lornoxicam	2	5700	4207.7	24.3	1618.3	59.4	12	0	16.4
2	Losartan potassium	2.5	0	43	4	0	284.5	0	0	58.4
3	Olmesaratan	3.5	4000	0	37.9	4272.8	126.9	4	0	28.8
4	Omeprazole	12	1800	1815.2	5	58.3	21	4	0	8.8
5	Telemisartan	3.5	2000	998.8	4.9	1028.4	152.1	5	0	3
6	Arbidol HCl Manohydrate	1.5	1200	1203	7.3	103	95	20	0	13
7	Azilosartan	2	4000	1501.7	37.43	2566.6	143.9	0	0	17
8	Etoxicoxib	4	10000	9974.9	279.3	402.7	581	0	0	53
9	Gemifloxacin mysylate	2	11000	8505.1	78.3	2912.2	533.3	64.3	30	206.1
10	Hydroxyl ethoxy piperazine	5	0	0	0	0	426.7	0	0	67
11	Illaprazole (Lansoprazole)	2.5	1800	1807.2	12	21.3	122.7	4	0	7.2
	Total	40.5	41500	30057	490.43	12984	2546.5	113.3	30	478.7

Emission Load Considering the Worst Case Scenario,

CONSOLIDATED POLLUTION LOAD										
Sl No	Product	Capacity TPM	Water kg/day	LTDS kg/day	HCOD kg/day	HTDS kg/day	Org. Residue kg/day	Spent carbon kg/day	Raney Ni kg/day	Process emission kg/day
1	Lornoxicam	2	5700	4207.7	24.3	1618.3	59.4	12	0	16.4
2	Losartan potassium	2.5	0	43	4	0	284.5	0	0	58.4
3	Gemifloxacin mysylate	2	11000	8505.1	78.3	2912.2	533.3	64.3	30	206.1
4	Hydroxyl ethoxy piperazine	5	0	0	0	0	426.7	0	0	67
	Total	11.5	16700	12755.8	106.6	4530.5	1303.9	76.3	30	347.9

Gaseous emissions,

Sl. No.	Emission sources	Capacity	Fuel quantity	Fuel	APC measures	Remarks	Predicted emissions
1	Boiler	2 TPH	3TPD	Coal	Stack of 30m height AGL. Bag filters followed by Individual Cyclone separators	Proposed	PM, SO_2, NOx
2	DG set	380 kVA*	40 LPH	Diesel	Stack of 12 m AGL	Proposed	NOx, SO_2
3	Hot oil system	1lac Kilocalories	10 LPH	Diesel	Stack of 12m height AGL	Proposed	NOx, SO2
4	Process emissions	1 Nos. Scrubber	-	-	Stack of 12 m AGL	proposed	Acid Mist, HC
5	Process emission	1 Nos. Scrubbers	-	-	Stack of 12 m AGL	Proposed	Acid mist, HC

Hazardous waste,

Sr. No.	Type of Waste	Cat	Quantity (TPA)	Mode of disposal
1	Spent Carbon and Hyflow	36.2	35.349	Collection, storage, transportation, and incineration at Cement plants
2	Catalyst	28.2	9.36	Collection, Storage, returned to supplier for reprocess.
3	Inorganic residue	28.2	6.333	Collection, storage, transportation, and disposal to TSDF
4	Organic Residue (solvent distillation)	36.1	794.50	Collection, storage, transportation and Co processing at Cement plants
5	Spent Solvent	36.1	126.3	Collection, storage, transportation and disposal to KSPCB authorized recyclers.
6	Chemical containing Sludge from cleaning of Storage Tank	21.2	1	Collection, Storage, transportation to reprocesses to KSPCB authorized re-processor/ end users
7	Used Oil	5.1	0.3	Collection storage, transportation and sold to KSPCB authorized re-processor.
8	ETP Sludge	35.3	11.04	Collection, storage, transportation, disposal by sending to land filling site of TSDF
9	Empty Drums of Chemical containing Traces	33.1	400	Collection, Storage, Decontamination or, Sale to KSPCB approved facility.
10	Battery	-	4	Replacement by manufacturer.
11	MEE Salt -Inorganic	37.3	399	Collection, Storage, transportation and send to TSDF.
12	Fly ash	-	132	Collection, Storage, transportation and send to brick manufacturers

SL No.	Name of the Emission	Quantity in kgs/day	Treatment Method	Disposal Method
1	Hydrogen Chloride	1.50	Scrubbed by using water media	Generated Dil. HCl will be reused within the industry
2	Carbon dioxide	210.0	Dispersed into atmosphere	-
3	Oxygen	48.0		
4	Hydrogen	0.20	Dispersed into atmosphere through flame arrester	-

EFFLUENT WATER in KL per day								SOLID WASTE in kg/day				
Water input	Water in Effluent	Organics in effluents	TDS	COD	HTDS	LTDS	Total Effluent	Organic	In Organic	Spent carbon	Process Emission	Distillation residue
41500	40984.9	2546.5	43041	490.43	12984	30057	43531.4	2546.5	17.35	113.3	478.70	1093.15

HAZARDOUS SOLID WASTE DETAILS

Organic solid waste	Inorganic solid waste	Spent Carbon	Distillation Residue
Kg/day	Kg/day	Kg/day	Kg/day
2546.5	17.35	113.3	1093.15

EMISSION DETAILS

Kg/day			
HCl	CO_2	H_2	O_2
1.5	210.0	0.20	48.0

The proponent has submitted consolidated pollution load and details for management of Hazardous Waste. The proponent informed that the solvents and spent solvents would be stored in such a way that there would be no risk to the employees working within the project site and surrounding. The proponent also informed that he would send the effluents and Hazardous Waste to authorized KSPCB vendors. For the proposed project the committee informed to have provisions from coal to gas burners, for which the proponent agreed.

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

The committee after discussion decided to recommend the proposal to SEIAA for issue of E.C.

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

279.27 Establishment of Grain based Distillery of capacity 120 KLD to produce Ethanol under EBP Programme of Govt. of India Project at Sy. Nos.157/1, 156/1,156/2, 155/2, 155/1B, 155/3, 155/1A Hulsogi Village, Shiggaon Taluk, Haveri District by M/s. Gujarat Ambuja Exports Limited - Online Proposal No.SIA/KA/IND2/254972/2022 (SEIAA 12 IND 2022)

The committee in its 275th SEAC Meeting had decided to have a site visit for the project. But the proponent in letter dated 22/03/2022 had requested SEIAA for withdrawal of the proposal, as the proposal has to be appraised in MoEF&CC as B2 Project as per Notification dated. 16th June 2021. The committee after discussion decided to forward the proposal to SEIAA for delisting the proposal.

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

279.28 Building Stone Quarry Project at Sy. Nos. 151/1 & 147 of Kottalavadi Village, Chamarajanagara Taluk & District (3-10 Acres) by Sri H Ramakrishna - Online Proposal No.SIA/KA/MIN/229786/2021 (SEIAA 503 MIN 2021)

The committee initially in its 269th SEAC Meeting had recommended the proposal for issue of EC based on the certified cluster certificate submitted by the proponent, which SEIAA in its 208th Meeting has referred back to the Committee for reappraisal.

The committee in 273rd SEAC meeting after thorough discussion on the observation made by the authority in 208th SEIAA Meeting, decided to reject the proposal and informed the proponent to apply under B1 category and forward the proposal for appropriate action.

Further the authority in its 215th SEIAA Meeting had again referred back to SEAC by informing,

"The project proponent vide his letter dated 04.04.2022 requested to consider the above said project under B2 Category. The Authority perused the request made by the proponent and decided to send file to SEAC for reappraisal and sending recommendation deemed fit based on merit".

The committee in the present meeting gave opportunity to the proponent to submit clarification. The proponent informed the committee that they have conducted Petrographyical studies of the samples within the cluster area and that as per Petrographyical studies, both the samples are different and are non-homogenous in nature and hence requested the committee the to consider the proposal under B2 category.

The committee heard the request made by the proponent. The committee after discussion informed the proponent to obtain clarification from DMG in this regard and decided to defer the appraisal until clarification from DMG Authorities is submitted by the proponent.

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

279.29 Establishment of Synthetic Organic Chemicals Manufacturing Unit Project at Yedehally Village, Dabaspet 1stPhase, Industrial Area, Sompura Hobli, Nelamangala Taluk, Bengaluru Rural District by M/s. Rasayana Fine Chemicals Private Limited- Online Proposal No.SIA/KA/IND3/71963/2022(SEIAA 11 IND 2022)

About the project:-

Sl No.	PARTICULARS	INFORMATION
1	Name of the project proponent	**Mr.NishkalApoorva Patel** (Director) #501 Jaishree N S Road no 7, Presidency C H S Ltd JVPD Scheme Vile Parle West Mumbai, Juhu Mumbai, Maharashtra.
2	About the Project Name & Location of the project	**Rasayana Fine Chemicals Private Limited** Plot no. 8, Dabaspete 1st Phase Industrial Area, situated at Sy.No.108 part within the limit of Yedehally, Sompura Hobli, Nelamangala Taluk, Bengaluru Rural District-562123.
3	New/expansion/modification /product mix change	New project under category 5(f) API as per EIA Notification 2006
4	Plot Area	2415.00 Sqm
5	Built Up Area	996.28 Sqm
6	Project Cost	INR 2.58Crores
7	Component of development	Synthetic organic chemicals manufacturing unit of capacity 39.92TPM
8	Source of water - operational phase	Tanker supply
9	Total Water Requirement (Domestic+Industrial)in KLD	18.20KLD (1KLD+17.20KLD)
10	Total waste water generation in KLD (Domestic)	0.8KLD
11	Total effluents generation in KLD (Industrial)	12.91KLD
12	Scheme of disposal of excess treated water	Domestic Sewage will be treated in septic tank and soak pit & Industrial Effluent will be treated in Combined Primary ETP of 15KLD capacity. Complete treated effluent will be disposed to CETP.
13	ETP capacity	15KLD Primary ETP
14	STP Capacity	Sewage will be treated in Septic Tank and Soak Pit
15	Energy requirements	315HP and will be met from BESCOM. The unit is proposed to install 250KVA DG Set, Stack height of 5m ARL respectively will be provided as per KSPCB norms. The unit has proposed to install 630kg/hr Briquettes fired boiler with stack of height 6m ARL. Dust collector will be installed for the boiler for controlling the particulate emissions and Thermic Fluid Heater 2 lac K. Cal/hr with 30m stack height.
16	Waste Generation & its Disposal	

	Solid waste	Boiler Ash of 2MT/A to be sent to brick manufacturing industry.
	Hazardous waste	Given below table
17	Green Belt Coverage - % of total area	796.65 Sqm (33%) of the total plot area.
18	EMP	Capital Cost: INR 32.25lakhs Recurring Cost: INR 6.6lakhs
19	CER Activities:	• Planting 200 saplings around yedehalli village • Construct toilet block in the Govt. School in yedehalli Village • Nearby waterbody development/rejuvenate and Solar Street Lamps in and around yedehalli Village

The proposal is a green field project for manufacturing synthetic organic chemicals used in manufacture of Fragrance agents, flavoring agents with R&D facility. SEIAA had issued ToR on 20.04.2022. The proponent had claimed exemption from public hearing by informing that the proposed unit is in existing KIADB Industrial Area which was notified prior to EIA Notification 2006 and informed the committee that initially KIADB on 01.04.2005 allotted to Dynatech Tools and Devices and the project proponent has taken the land for lease, existing industrial shed of Dynatech Tool and devices to be used for the proposed project,

The proponent informed the committee about the product and its capacity as below,

SLNo.	PRODUCTS	PRODUCTION CAPACITY in TPM	PRODUCTIOIN CAPACITY in TPA
1	Citronellyl Acetate	4.80	57.60
2	Citronellyl Formate	4.80	57.60
3	Citronellyl Propionante	2.40	28.80
4	Geranyl Acetate	4.80	57.60
5	Geranyl Formate	4.80	57.60
6	Geranyl Propionate	1.20	14.40
7	Neryl Acetate	4.80	57.60
8	Neryl Formate	0.40	4.80
9	Phenylethyl Formate	0.96	11.52
10	Phenylethyl Isobutyrate	0.96	11.52
11	Cyclocitral	4.00	48.00
12	Alpha Damascone	2.00	24.00
13	Sandal Core	4.00	48.00
	TOTAL	39.92	479.04

The proponent informed the committee that at any given point of time Maximum of Two products to be manufactured and informed about pollution load of various substances as below,

Details of Air Pollution sources and its management

Sl. no.	Chimney attached to	Fuel used	Capacity	Stack height	Air pollution control unit	Predicted emissions
1.	DG. Set 250 KVA – 1 No.	HSD	40L/hr	5m ARL	Acoustic enclosure	SO_2, NO_X, SPM
2.	Thermic Fluid Heater	Briquette	2.0klc/hr	30m AGL	Dust Collector with chimney	SO_2, NO_X, SPM
3.	Steam boiler -1No.	Briquette	630Kg/hr	6m ARL	Dust Collector with chimney	SO_2, NO_X, SPM
4.	Process section (Reactors -5nos)	--	--	3m ARL	Wet Scrubber-1 no	Acid mist/VOCs

Details of Solid waste and Hazardous waste generation and its management,

Sl. No.	Type of Waste generated	Quantity	Mode of collection and method of disposal
1.	Used oil	40Liters/A	KSPCB authorized re-processor located nearby to the industry
2.	Cotton waste	10Kgs/A	KSPCB authorized incinerator located nearby to the industry
3.	CA.FR waste*	233.45 Kg/day	Disposed to TSDF of M/s Karnataka waste management project.
4.	CA.LF waste*	54.1 Kg/day	Disposed to TSDF of M/s Karnataka waste management project.
5.	Processed residues waste	255.58 Kg/day	Disposed to TSDF of M/s Karnataka waste management project.

Emission Load Considering the Worst Case Scenario,

Description	Worst Case Scenario
	Per day
Maximum fresh water requirement (in Liters)	6756.41Liter
Maximum Process Effluent Generation (in Liters)	11262.42Liter
Total CA.FR(Citronellyl Acetate First Fraction) waste (in Kgs)	223.45kg
Process residues waste (in Kgs)	255.58kg
Total CA.LF(Citronellyl Acetate Last Fraction) waste (in Kgs)	54.1kg

Gaseous Emissions,

Kg/day					
Ammonia	CO_2	H_2	Cl2	Oxygen	N_2
Nil	Nil	Nil	Nil	Nil	Nil

Effluent and Solid Waste,

EFFLUENT WATER Liters/Day								SOLID WASTE Kgs/Day		
Water input	Water in Effluent	Organics in effluents	TDS	COD	HTDS	LTDS	Total Effluent	CA.FR	CA.LF	Process residues waste
6756.41	11262.42	1632	3040.1	2448	-	11262.42	11262.42	223.45	54.1	255.58

The committee reviewed the details submitted by the proponent on consolidated pollution load and management of Hazardous Waste. The proponent informed that the solvents and spent solvents would be stored in such a way that there would be no risk to the employees working within the project site and the surroundings. The proponent also informed that he would send the effluents and Hazardous Waste to authorized KSPCB vendors.

The committee during appraisal sought clarification regarding fuel used in boilers, storage of solvents, disposal of effluent to CETP and landfill waste to TSDF, on site and off site emergency plan, provisions for 360 degree water sprinklers and provision for Jokey pump and provision to grow more trees in the proposed area. The proponent submitted the clarifications and informed the committee that, only briquettes would be used as fuel instead of wood in boilers and submitted undertaking for disposal of primary treated effluent to CETP and land fillable waste to TSDF located within Dabaspet Industrial area and would obtain approval for onsite and offsite emergency plan from Inspector of Factories and Boilers. Further the proponent informed that they would carry out mock drills once in every three months for the safety of employees and agreed to install 360 degree water sprinklers and jokey pump in the proposed project and agreed to grow 80trees in the proposed project area. The proponent informed that only partially used quality checked reactors nearly two year old could be used and all other equipments will be of new ones for the proposed unit.

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

The committee after discussion decided to recommend the proposal to SEIAA for issue of E.C with a condition to abide by the submitted undertaking regarding disposal of primary treated effluent to CETP and land fillable waste to TSDF located within Dabaspet Industrial area.

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

279.30 Building Stone Quarry Project at Sooda Village, Karkala Taluk, Udupi District (QL No. 51) (1-00 Acre) by Sri Dinesh Ameen - Online Proposal No.SIA/KA/MIN/263857/2022 (SEIAA 147 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	Sri Dinesh Ameen
2	Name & Location of the Project	Building Stone Quarry Project at Sy. No. 31/P2 of Sooda Village, Karkala Taluk, Udupi District (QL No. 51) (1-00 Acre) P. No. A: Latitude N 13° 12' 30.5", Longitude E 74° 52' 56.4" B: N 13° 12' 30.1", E 74° 52' 55.2" C: N 13° 12' 33.2", E 74° 52' 54.2" D: N 13° 12' 33.6", E 74° 52' 55.5"
3	Type Of Mineral	Building Stone Quarry
4	New / Expansion / Modification / Renewal	Renewal(QL No. 51)
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Govt. Land
6	Area in Ha	0.404 Ha(1-00 Acre)
7	Project Cost (Rs. In Crores)	0.95Cr
8	Annual Production (Metric Ton / Cum) Per Annum	12,243 TPA (including waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	1,09,569 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	12,243 TPA (including waste)
11	**CER Activities:** • Providing solar power panels to GHPS school at Sooda village • The proponent proposes to distribute nursery plants at Sooda village & strengthening of approach road • Conducting E-waste drive campaigns in the Sooda village • Scientific support and awareness to local farmers to increase yield of crop and fodder • Avenue plantation either side of the approach road near quarry site & repair of road with drainages	
12	EMP Budget	Rs. 26.00 lakhs (Capital Cost) & Rs.6.34 lakhs (Recurring cost)
13	Forest NOC	08.04.2022
14	Lease grant date	13/03/2008
15	Quarry plan	06.09.2018
16	Cluster Certificate	16.07.2021
17	Revenue NOC	10.01.2013

There is an existing cart track road to a length of 450 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher

as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

Since the proposal is a old lease which was granted prior to 09.09.2013, the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 1,09,569 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 9years. The committee decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 12,243 TPA (including waste).

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

279.31 Building Stone Quarry Project at Tarihal Village, Belagavi Taluk & District (2-02 Acres) by M/s.Tarade Brothers Constructions Pvt. Ltd. - Online Proposal No.SIA/KA/MIN/271403/2022 (SEIAA 226 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	M/s.Tarade Brothers Constructions Pvt. Ltd. Sri Husen Tarade Bhagya Nagar Mannat CTS No.3836,8th Cross Tilakwadi, Belagavi-590006
2	Name & Location of the Project	Building Stone Quarry Project at Sy.No.83/4 of Tarihal Village, Belagavi Taluk & District (2-02 Acres) A N 15° 48 '05.5733" E74° 37' 30.9093" B N 15° 48' 05.9542" E74° 37' 28.2992" C N 15° 48' 04.2673" E74° 37' 28.1021" D N 15° 48' 04.2119" E74° 37' 28.6346" E N 15° 48 '02.1204" E74° 37' 28.4962" F N 15° 48' 02.1701" E74° 37' 30.7746" DE BRCTHERS
3	Type Of Mineral	Building Stone Quarry
4	New / Expansion / Modification / Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	PattaLand
6	Area in Ha	(0.8299 Ha) 2-02 Acres
7	Project Cost (Rs. In Crores)	0.60Cr
8	Annual Production (Metric Ton / Cum) Per Annum	42,960 TPA (including waste)

9	Proved Quantity of mine/ Quarry- Cu.m / Ton	2,55,746 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	42,960 TPA (including waste)
11	**CER Activities:** Additional plantation on either side of the approach road from quarry location and Maintaining for five years.	
12	EMP Budget	Rs.17.60 lakhs (Capital Cost) & Rs. 11.40 lakhs (Recurring cost)
13	Forest NOC	22.02.2022
14	Notification	27.04.2022
15	Quarry plan	05.05.2022
16	Revenue NOC	13.12.2021
17	Cluster Certificate	05/05/2022

There is an existing cart track road to a length of 400 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms & should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there is no other lease and total area of the present lease is 2-02 Acres and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 2,55,746 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 6years. The committee decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 42,960 TPA (including waste).

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

279.32 Pink Granite Quarry Project at Kadur Village Kushtagi Taluk, Koppala District (5-34 Acres) by Sri Kamalappa H Jalihal - Online Proposal No.SIA/KA/MIN/272407/2022 (SEIAA 231 MIN 2022)

About the project:

Sl.No	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	Sri Kamalappa H Jalihal
2	Name & Location of the Project	Pink Granite Quarry Project at Sy. Nos. 5/1/4, 5/1/5, 5/2/1, 5/2/2, 5/2/3, 5/2/4 & 5/2/5 of Kadur Village Kushtagi Taluk, Koppala District (5-34 Acres)
3	Type Of Mineral	Pink Granite Quarry

P. No.	Latitude	Longitude
A	N 15° 59' 06.7"	E 76° 00' 31.5"
B	N 15° 59' 06.2"	E 76° 00' 38.4"
C	N 15° 59' 02.5"	E 76° 00' 37.9"
D	N 15° 59' 02.4"	E 76° 00' 31.8"

4	New / Expansion / Modification / Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta Land
6	Area in Ha	2.367411 (5-34 Acres)
7	Project Cost (Rs. In Crores)	0.65 Cr
8	Annual Production (Metric Ton / Cum) Per Annum	20,810 Tonnes/annum (30% Recovery & 70% Waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	22,07,205 Tonnes (30% Recovery & 70% Waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	20,810 Tonnes/annum (30% Recovery & 70% Waste)
11	**CER Activities:** • Providing solar power panels to the GHPS school at Kadur village • Rain water harvesting pits GHPS school at Kadur village • Conducting E-waste drive campaigns in the GHPS school at Kadur village • Scientific support and awareness to local farmers to increase yield of crop and fodder • Health camp in GHPS school at Kadur village	
12	EMP Budget	Rs. 46.25 lakhs (Capital Cost) & Rs.13.47 lakhs (Recurring cost)
13	Forest NOC	10.02.2021
14	C & I Notification	03.08.2021
15	Quarry plan	18.08.2021
16	Land Conversion Order	07.12.2019, 15.04.2017 & 25.02.2021
17	Cluster Certificate	15.03.2022

There is an existing cart track road to a length of 2340 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after strengthening the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 17 leases including the present lease within 500 meter radius from this lease out of which 04 leases are exempted from cluster as the EC had been issued prior to 15.01.2016 and another 10 leases are exempted from cluster as the leases had been granted prior to 09/09/2013. Thus the total area of the remaining leases including the present lease is 10-29 Acres and hence the project is categorized as B2.

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

Considering the proved mineable reserve of 22,07,205 Tonnes (30% Recovery & 70% Waste) as per the approved quarry plan, the committee estimated the life of the mine to be coterminous with the lease period. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 69,368 Tonnes/annum (30% Recovery & 70% Waste).

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

279.33 Building Stone Quarry Project at Kanbailu Baichanahalli Village, Kushalanagara Taluk, Kodagu District (10-00 Acres) by Sri Sundaram Ramaswamy - Online Proposal No.SIA/KA/MIN/272187/2022 (SEIAA 228 MIN 2022)

About the project:

Sl.No.	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	Sri Sundaram Ramaswamy S/o. Late. N Ramaswamy, D No. 34, R.T.Nagar, P & T Colony, Bangalore
2	Name & Location of the Project	Building Stone Quarry Project at Sy. No.54 of Kanbailu Baichanahalli Village, Kushalanagara Taluk, Kodagu District (10-00 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 Land
6	Area in Acres	10-00 Acres
7	Project Cost (Rs. In Crores)	0.80Cr
8	Annual Production (Metric Ton / Cum) Per Annum	1,85,001 TPA (including waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	38,32,121 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	1,85,001 TPA (including waste)

P. No.	Latitude	Longitude
A	N12° 27' 24.13250"	E 75° 50' 59.81708"
B	N12° 27' 24.63261"	E 75° 50' 56.49925"
C	N12° 27' 25.32995"	E 75° 50' 55.60179"
D	N12° 27' 26.43531"	E 75° 50' 53.90216"
E	N12° 27' 27.24678"	E 75° 50' 52.87925"
F	N12° 27' 27.76907"	E 75° 50' 51.70681"
G	N12° 27' 28.44707"	E 75° 50' 51.09559
H	N12° 27' 28.63057"	E 75° 50' 50.90214"
I	N12° 27' 30.43423"	E 75° 50' 51.09942"
J	N12° 27' 32.33599"	E 75° 50' 49.79293"
K	N12° 27' 33.11578"	E 75° 50' 50.34106"
L	N12° 27' 32.46209"	E 75° 50' 53.50663"
M	N12° 27' 31.62594"	E 75° 50' 54.90878"
N	N12° 27' 30.95858"	E 75° 50' 55.70091"
O	N12° 27' 29.84358"	E 75° 50' 56.60917"
P	N12° 27' 29.12874"	E 75° 50' 57.37509"
Q	N12° 27' 28.23165"	E 75° 50' 57.89568"
R	N12° 27' 27.32198"	E 75° 50' 59.11701"
S	N12° 27' 26.45138"	E 75° 50' 59.19068"
T	N12° 27' 25.41297"	E 75° 50' 59.40324"

11	**CER Activities:** To provide Government hospital Room construction facility at Suntikoppa Village	
12	EMP Budget	Rs. 30.45 Lakhs (Capital Cost)
13	Forest NOC	06.07.2021
14	Notification	06.04.2022
15	Quarry plan	06.05.2022
16	Revenue NOC	10.02.2021
17	DTF	06.04.2022
18	Cluster Certificate	06/05/2022

There is an existing cart track road to a length of 850 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after cement concreting the approach road to the quarry & the road connecting to the crusher as standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there is no other lease within 500meters from this lease, and total area of the present lease is 10-00 Acres and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 38,32,121 Tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 20 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 1,85,001 TPA (including waste).

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

279.34 Building Stone Quarry Project at Sy. No. 116 of Chennanakere Village, Srirangapatna Taluk, Mandya District (4-38 Acres) by Sri Channakeshavalu Devarappu - Online Proposal No.SIA/KA/MIN/239222/2021 (SEIAA 628 MIN 2021) – Expansion

The proponent remained absent. The committee decided to defer the appraisal of the project.

Action: Member Secretary, SEAC to putup before SEAC during upcoming meetings.

279.35 Building Stone Quarry Project at Sy. No. 130 of Dodderi Village, Bengaluru South Taluk, Bangalore Urban District (6-00 Acres) (Q.L. No. 770) byM/s. Tulasi Enterprises - Online Proposal No.SIA/KA/MIN/269965/2022 (SEIAA 220 MIN 2022) – Expansion

The proposal is for expansion where in earlierthe lease was granted on 16/04/2015. The proponent submitted nil DMG certified audit report till 2020-21. The committee after discussion decided to defer the appraisal of the project for want of certified audit report for 2021-22 and S-report.

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

279.36 Building Stone Quarry project at Shidaganal Village, Ranebennur Taluk, Haveri District (1-00 Acre) by Sri Vijaybharath B Ballari - Online Proposal No.SIA/KA/MIN/272460/2022 (SEIAA 235 MIN 2022)

About the project:

Sl.No.	PARTICULARS	INFORMATION
1	Name & Addressof the Projects Proponent	Sri Vijaybharath B BallariS/o. Bhojappa Ballari, Motebennur Village, Bydagi Taluk, Haveri District, Karnataka - 581106
2	Name & Location of the Project	Building Stone Quarry project at Sy No: 78/1, Shidaganal Village, Ranebennur Taluk, Haveri District (1-00 Acre)
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 Land
6	Area in Ha	0.4047 Ha(1-00 Acre)
7	Project Cost (Rs. In Crores)	1.05Cr
8	Annual Production (Metric Ton / Cum) Per Annum	26,316 TPA (including waste)
9	Proved Quantity of mine/ Quarry-Cu.m / Ton	2,10,916 Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	26,316 TPA (including waste)
11	**CER Activities:** • Providing solar power panels to the GLPS school at Shidaganal Village • Rainwater harvesting pits at GLPS school at Shidaganal Village • Scientific support and awareness to local farmers to increase yield of crop and fodder • Health Camp at GLPS school at Shidaganal village	
12	EMP Budget	Rs. 49.36 lakhs (Capital Cost) & Rs.6.93 lakhs (Recurring cost)
13	Forest NOC	13.10.2021
14	Notification	25.11.2021
15	Quarry plan	08.12.2021
16	Revenue NOC	27.08.2021
17	JSR	16.11.2021
18	Cluster Certificate	08.12.2021

GPS READING OF CORNER PILLARS

CORNER PILLAR	LATITUDE	LONGITUDE
BP-A	N 14° 41' 19.30"	E 75°35' 6.50"
BP-B	N 14° 41' 14.99"	E 75°35' 6.51"
BP-C	N 14° 41' 17.99"	E 75°35' 5.10"
BP-D	N 14° 41' 18.90"	E 75°35' 4.11"

MAP DATUM - WGS-84

There is an existing cart track road to a length of 1,073 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after strengthening the approach road to the quarry & the road connecting to the crusher as per standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 4 leases including this lease area and the total area including the present lease is 10-25Acres and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 2,10,916 tonnes(including waste) as per the approved quarry plan, the committee estimated the life of the mine as 8 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 26,316 TPA (including waste).

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

279.37 Residential Building Someshwar Vista Project at Padavu Village, Mangaluru Taluk, Dakshina Kannada District by M/s.Someshwar Promoters and Developers - Online Proposal No.SIA/KA/MIS/ 265086/2022(SEIAA 37 CON 2022) : Expansion

About the project:

Sl. No		PARTICULARS	INFORMATION
1		Name & Address of the Project Proponent	Sri S. JanardhanaHolla Managing Partner M/s. Someshwar Promoters and Developers S/o. Sri S. Ramakrishna Holla, Residing at A1, Someshwar Apartments, Shivabagh Main Road, Kadri, Mangalore –575 002.
2		Name & Location of the Project	Proposed Residential Building "Someshwar Vista" by M/s. Someshwar Promoters and Developers, at Sy. Nos. 113/5, 113/8, 113/11(P) & 113/7 (P) of Padavu Village, Mangaluru Taluk, Dakshina Kannada District.
3		Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Proposed Residential Apartment Category 8(a) as per EIA Notification 2006
	b.	Residential Township/ Area Development Projects	No
4		New/ Expansion/ Modification/ Renewal	Expansion
5		Water Bodies/ Nalas in the vicinity of project site	Netravathi River – 4.06 kms (SE)
6		Plot Area (Sqm)	10,581.00 sq.m.

7	Built Up area (Sqm)	29,245.58 sq.m	
8	FAR • Permissible • Proposed	2.3 2.3	
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Residential Building 5 Blocks: 2 basements + ground floor + 5 Upper floors	
10	Number of units/plots in case of Construction/ Residential Township / Area Development Projects	244 Nos	
11	Height Clearance	As per CCZM Site elevation : 78 mtrs Permissible top elevation : 150 mtrs Height Proposed : 15 mtrs Height permitted : 72 mtrs	
12	Project Cost (Rs. In Crores)	58Cr	
13	Disposal of Demolition waster and or Excavated earth	No demolition is involved.	
14	Details of Land Use (Sqm)		
a.	Ground Coverage Area	3,618.80 sq.m	
b.	Kharab Land	Nil	
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2,955.48 sq.m	
d.	Internal Roads	2,381.72 Sq.m	
e.	Paved area	-	
f.	Others Specify	1625.00Sqm	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA	
h.	Total	10,581.00 sq.m.	
15	WATER		
I.	Construction Phase		
a.	Source of water	From Nearby treated water suppliers	
b.	Quantity of water for Construction in KLD	50 KLD	
c.	Quantity of water for Domestic Purpose in KLD	10 KLD	
d.	Waste water generation in KLD	8 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	The sewage generated during the construction phase will be treated in the Mobile STP	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	50.34
		Recycled	64.95+54.90
		Total	170.19
b.	Source of water	Gram Panchayat	

	c.	Waste water generation in KLD	161.88 KLD
	d.	STP capacity	190 KLD
	e.	Technology employed for Treatment	SBR Technology
	f.	Scheme of disposal of excess treated water if any	No Disposal. The treated water will be reused for toilet flushing, landscaping in the project site, avenue plantation and Reuse after treating with ultrafiltration and reverse osmosis
16		Infrastructure for Rain water harvesting	
	a.	Capacity of sump tank to store Roof run off	195 cu.m.
	b.	No's of Ground water recharge pits	9 Nos.
17		Storm water management plan	The storm water from the site will be collected by rainwater harvesting tank of 114cum and excess to be used for recharging the ground water through recharge pits
18		WASTE MANAGEMENT	
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	No of labours = 100 Nos. Per capita of waste generated = 0.4 kg/day Separate collection bins will be used for organic and inorganic waste. Organic waste will be converted in organic convertor. Inorganic solid waste will be handed over to authorized recyclers.
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	292.80 kg/day. Biodegradable waste will be converted in organic convertor.
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	195.20 kg/day. Non- Biodegradable waste will be handed over to authorized recyclers
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Nil
	d.	Quantity of E waste generation and mode of Disposal as per norms	E-waste generation will be very less
19		POWER	
	a.	Total Power Requirement - Operational Phase	1000 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 1000 KVA
	c.	Details of Fuel used for DG Set	HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total energy savings of 27.4%

20		PARKING	
	a.	Parking Requirement as per norms	268 ECS
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	B
	c.	Internal Road width (RoW)	9.00 mtr
21		CER Activities	• Rain Water Harvesting in Government Primary School at Padavu • Avenue planation and planation in Government Primary School at Padavu • Solar Panels Provision in Government Primary School at Padavu • Drinking Water and Sanitation facility supply in Government Primary School at Padavu • Health camp in Government Primary School at Padavu
22		EMP • Construction phase • Operation Phase	**Operation Phase**: Recurring Cost Per Annum = 52.2 lakhs; Capital Cost = 215.0 lakhs **Construction Phase**: Recurring Cost Per Annum = 41.39 lakhs; Capital Cost = 15.75 lakhs

The proposal is for expansion of residential apartments. The proponent informed the committee that they had obtained CFE from KSPCB on 26/12/2017 and sanctioned plan from MUDA dated 23/03/2017 for BUA of 10,680 Sqm and now it is proposed for a BUA of 29,245 Sqm with no change in plot area.

The committee during appraisal sought clarification regarding provisions made for harvesting rain water in the proposed area. The proponent informed the committee that for harvesting rain water, the proponent has proposed 195cumcapacity for runoff from rooftop and an additional tank of 114 cum capacity for runoff from landscape and paved areas in addition to 9nos recharge pits within the project area. Further the committee informed the proponent to install smart metering for individual units for conservation of water and manage excess drainage water within the site area, for which the proponent agreed.

The proponent informed that they have made provisions to grow 111 trees in the project area and to charge electrical vehicles in the proposed project area. The proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines 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 are found to be within permissible limits and informed the proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area. The committee after discussion decided to recommend the proposal to SEIAA for issue of EC with a condition to install smart metering for individual units for conservation of water.

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

279.38 Commercial / Residential Apartment Building at Nagondanahalli Village, K.R. Puram Hobli, Bangalore East Taluk, Bengaluru by M/s. United Developers- Online Proposal No.SIA/KA/MIS/ 271637/2022 (SEIAA 57 CON 2022)

About the project:

Sl. No		PARTICULARS	INFORMATION
1		Name & Address of the Project Proponent	Mr. P Subramani, Managing Partner M/s. United Developers Office at Sy. No. 67/1, 5th Floor, Above Udupi Park Hotel, Jayaram Reddy Layout, Whitefield Main Road, Mahadevpura, Bangalore - 560048
2		Name & Location of the Project	Commercial / Residential Apartment Building by M/s. United Developers at Khata No. 1119, Sy. Nos. 113/1, 113/2 & 113/6 of Nagondanahalli Village, K.R. Puram Hobli, Bangalore East Taluk, Bengaluru.
3		Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Commercial/Residential Apartment Category (b) as per EIA Notification 2006
	b.	Residential Township/ Area Development Projects	No
4		New/ Expansion/ Modification/ Renewal	New
5		Water Bodies/ Nalas in the vicinity of project site	NA
6		Plot Area (Sqm)	12,413.06 sq.m. Net area: 9210.64Sqm
7		Built Up area (Sqm)	43,410.38 sq.m.
8		FAR • Permissible • Proposed	2.5 2.493
9		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Building comprising of 2 Wings, **Wing A** Commercial / Club House comprising 1 Ground Floor + 5 Upper Floors + Terrace floor **Wing B** Having Residential Apartment Building - 1 Basement Floor + Ground Floor + 14 Upper Floors + Terrace floor
10		Number of units/plots in case of Construction/Residential Township /Area Development Projects	206 units
11		Height Clearance in meters above sea level	As per CCZM Site elevation : 872m AMSL Permissible top elevation : 928m AMSL Difference : 56mtr Height proposed : 44.99 mtr
12		Project Cost (Rs. In Crores)	86 Crores
13		Disposal of Demolition waster and or Excavated earth	Demolition waste of shed: Floor area : 370 sq.m

		Width of the shed : 0.5m Height of the shed: 2 m Volume of demolition waste: 370 x 0.5 + 2*0.5*18m*4sides = 180 + 72 = 252 cu.m Handling of waste: Orderly deconstruction is the proper measure for reuse of the demolished matter. In contrast to demolition, where buildings will be knocked down and materials will be recycled, deconstruction will involve carefully taking apart portions of buildings and removing their contents with the primary goal being reuse. It will be as simple as stripping out cabinetry, fixtures, and windows, and manually taking apart the building frame		
14		Details of Land Use (Sqm)		
	a.	Ground Coverage Area	3,970.61 sq.m	
	b.	Kharab Land	Nil	
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	3,039.51 sq.m	
	d.	Internal Roads	2,200.52	
	e.	Paved area	-	
	f.	Others Specify	-	
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA	
	h.	Total	9,210.64 sq.m.	
15		WATER		
	I.	Construction Phase		
	a.	Source of water	From Nearby treated water suppliers	
	b.	Quantity of water for Construction in KLD	50 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	10 KLD	
	d.	Waste water generation in KLD	8 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	The sewage generated during the construction phase will be treated in the Mobile STP	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	51.92
			Recycled	54.07+58.26
			Total	164.27
	b.	Source of water	Gram Panchayat	
	c.	Waste water generation in KLD	156.05 KLD	
	d.	STP capacity	160 KLD	
	e.	Technology employed for Treatment	SBR Technology	
	f.	Scheme of disposal of excess treated water if any	No Disposal. The treated water will be reused for toilet flushing, landscaping in the project site,	

			avenue plantation and Reuse after treating with ultra filtration and reverse osmosis
16		Infrastructure for Rain water harvesting	
	a.	Capacity of sump tank to store Roof run off	214 cu.m.
	b.	No's of Ground water recharge pits	9 Nos.
17		Storm water management plan	The storm water from the site will be collected by rainwater harvesting system and will be used for recharging the ground water
18		WASTE MANAGEMENT	
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	No of labours = 100 Nos. Per capita of waste generated = 0.4 kg/day Separate collection bins will be used for organic and inorganic waste. Organic waste will be converted in organic convertor. Inorganic solid waste will be handed over to authorized recyclers.
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	273.18 kg/day. Biodegradable waste will be converted in organic convertor.
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	182.12 kg/day. Non- Biodegradable waste will be handed over to authorized recyclers
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Nil
	d.	Quantity of E waste generation and mode of Disposal as per norms	E-waste generation will be very less
19		POWER	
	a.	Total Power Requirement - Operational Phase	1000 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 1000 KVA
	c.	Details of Fuel used for DG Set	HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total energy savings of 24.3%
20		PARKING	
	a.	Parking Requirement as per norms	295 ECS
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	LOS -B
	c.	Internal Road width (RoW)	6.00 mtr
21		CER Activities	Rain Water Harvesting in GHPS School at Gandhipura Avenue planation and planation in GHPS

		School at Gandhipura Solar Panels Provision in GHPS School at Gandhipura Drinking Water and Sanitation facility supply in GHPS School at Gandhipura Health camp in GHPS School at Gandhipura
22	EMP • Construction phase • Operation Phase	EMP (Construction & Operation) **Operation Phase**: Recurring Cost Per Annum = 52.2 lakhs; Capital Cost = 240.0 lakhs **Construction Phase**: Recurring Cost Per Annum = 42.68 lakhs; Capital Cost = 15.75.28 lakhs

The proposal is for construction of residential apartments in an area earmarked for residential use as per RMP of BDA.

The committee during appraisal sought clarification for foot kharab as per village map and provisions for harvesting rain water in the proposed area. The proponent informed the committee that foot kharab in northern and eastern sides with total area of 607.02 sqm is already left for road widening and for harvesting rain water, the proponent has proposed 214cumcapacity for runoff from rooftop and an additional tank of106cum capacity for runoff from landscape and paved areas in addition to 27nos recharge pits within the project area. Further the committee informed the proponent to install smart metering for individual units for conservation of water and manage excess drainage water within the site area, for which the proponent agreed.

The proponent informed that they have made provisions to grow 115 trees in the project area and to charge electrical vehicles in the proposed project area. The proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines 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 are found to be within permissible limits and informed the proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area. The committee after discussion decided to recommend the proposal to SEIAA for issue of EC with a condition to install smart metering for individual units for conservation of water.

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

279.39 Residential Apartment Building Project at Thevarachatnahalli Village, Shivamogga Taluk & District by Sri Muddenahalli Madhu- Online Proposal No.SIA/KA/MIS/ 272436/2022 (SEIAA 61 CON 2022)

About the project:

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr.Madhu M R, - Proprietor M/s. M. R. Groups Having its office at 664, 12th B Main Road, Newtown, Yelahanka, Bengaluru.

2		Name & Location of the Project	Residential Apartment Building by M/s. M R Groups, at Sy No. 02, Thevarachatnahalli Village, Shivamogga Taluk and District.
3		Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartment Category 8(a) as per EIA Notification 2006
	b.	Residential Township/ Area Development Projects	No
4		New/ Expansion/ Modification/ Renewal	New
5		Water Bodies/ Nalas in the vicinity of project site	River Thunga – 0.30 Kms (S) Tertiary Nala is 50 meters away from the site towards south.
6		Plot Area (Sqm)	8,093.6 sq.m. (Net area: 7,941.15Sqm)
7		Built Up area (Sqm)	34,160 sq.m.
8		FAR • Permissible • Proposed	 2.25 2.00
9		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	5 Towers, Tower A : Lower G + GF + 6 UF + T Tower B, C,D and E : Lower Ground + Ground Floor + 5 Upper Floors + Terrace Floor
10		Number of units/plots in case of Construction/Residential Township/Area Development Projects	162 units
11		Height Clearance	NA
12		Project Cost (Rs. In Crores)	68.0 Crores
13		Disposal of Demolition waster and or Excavated earth	No demolition is involved.
14		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	3,205.84 sq.m
	b.	Kharab Land	Nil
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2,620.58 sq.m
	d.	Internal Roads	2,114.73 Sq.m
	e.	Paved area	
	f.	Others Specify	-
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	7,941.15 sq.m.
15		WATER	

	I.	Construction Phase		
	a.	Source of water	From Nearby treated water suppliers	
	b.	Quantity of water for Construction in KLD	50 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	10 KLD	
	d.	Waste water generation in KLD	8 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	The sewage generated during the construction phase will be treated in the Mobile STP	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	34.35
			Recycled	42.20+36.45
			Total	113.00
	b.	Source of water	Gram Panchayat	
	c.	Waste water generation in KLD	107.35 KLD	
	d.	STP capacity	125 KLD	
	e.	Technology employed for Treatment	SBR Technology	
	f.	Scheme of disposal of excess treated water if any	No Disposal. The treated water will be reused for toilet flushing, landscaping in the project site, avenue plantation and Reuse after treating with ultrafiltration and reverse osmosis	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	173 cu.m.	
	b.	No's of Ground water recharge pits	8 Nos.	
17		Storm water management plan	The storm water from the site will be collected by rainwater harvesting 120cum tank and excess be used for recharging the ground water through RWH pits	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	No of labours = 100 Nos. Per capita of waste generated = 0.4 kg/day Separate collection bins will be used for organic and inorganic waste. Organic waste will be converted in organic convertor. Inorganic solid waste will be handed over to authorized recyclers.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	194.40 kg/day. Biodegradable waste will be converted in organic convertor.	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	129.60 kg/day. Non- Biodegradable waste will be handed over to authorized recyclers	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Nil	

	d.	Quantity of E waste generation and mode of Disposal as per norms	E-waste generation will be very less
19		POWER	
	a.	Total Power Requirement - Operational Phase	750 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 750 KVA
	c.	Details of Fuel used for DG Set	HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total energy savings of 27.39%
20		PARKING	
	a.	Parking Requirement as per norms	162 ECS
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	LOS B
	c.	Internal Road width (RoW)	6.00 mtr
21		CER Activities	**Corporate Environmental Responsibility (CER)** Rain Water Harvesting in GLPS at Thevarachatnahalli Avenue planation and planation in GLPS at Thevarachatnahalli Solar Panels Provision in GLPS at Thevarachatnahalli Drinking Water and Sanitation facility supply in GLPS at Thevarachatnahalli Health camp in GLPS at Thevarachatnahalli
22		EMP • Construction phase • Operation Phase	EMP (Construction & Operation) **Operation Phase**: Recurring Cost Per Annum = 52.2 lakhs Capital Cost = 205.0 lakhs **Construction Phase**: Recurring Cost Per Annum = 40.54 lakhs Capital Cost = 15.75.28 lakhs

The proposal is for construction of residential apartment in an area converted for residential use by Shivamogga-Bhadravathi Urban Development Authority.

The committee during appraisal sought details for provisions made for harvesting rain water in the proposed area. The proponent informed the committee that for harvesting rain water, the proponent has proposed 173cumcapacity for runoff from rooftop and an additional tank of120cum capacity for runoff from landscape and paved areas in addition to 8nos recharge pits within the project area. Further the committee informed the proponent to install smart metering for individual units for conservation of water and manage excess drainage water within the site area, for which the proponent agreed.

The proponent informed that they have made provisions to grow 100 trees in the project area and to charge electrical vehicles in the proposed project area. The proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC

and NBC guidelines 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 are found to be within permissible limits and informed the proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area. The committee after discussion decided to recommend the proposal to SEIAA for issue of EC with a condition to install smart metering for individual units for conservation of water.

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

279.40 White Quartz Mine Project at Sy.No.30 of Belagal Village, Bellary Taluk, Bellary District (45-11 Acres) (Q.L.No.2647) by Sri P Sarasa Bhai - Online Proposal No.SIA/KA/MIN/218793/2021(SEIAA 575 MIN 2019) :Expansion

About the project:

<table>
<tr><th>Sl.No.</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Addressof the Projects Proponent</td><td>Sri P Sarasa BhaiW/o Sri. R. Chandra Naik, House No-58/61, Youth Hostel Road, Contonment,Bellary-583101.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>White Quartz Mine Project at Sy.No.30 of Belagal Village, Bellary Taluk, Bellary District (45-11 Acres) (Q.L.No.2647)
<table>
<tr><th>Boundary</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>A</td><td>N 15° 08' 27.0"</td><td>E 76° 49' 05.4"</td></tr>
<tr><td>B</td><td>N 15° 08' 32.6"</td><td>E 76° 49' 07.2"</td></tr>
<tr><td>1</td><td>N 15° 08' 29.6"</td><td>E 76° 49' 13.3"</td></tr>
<tr><td>2</td><td>N 15° 08' 27.6"</td><td>E 76° 49' 17.5"</td></tr>
<tr><td>3</td><td>N 15° 08' 27.1"</td><td>E 76° 49' 19.4"</td></tr>
<tr><td>4</td><td>N 15° 08' 24.9"</td><td>E 76° 49' 23.5"</td></tr>
<tr><td>5</td><td>N 15° 08' 24.0"</td><td>E 76° 49' 25.0"</td></tr>
<tr><td>6</td><td>N 15° 08' 21.1"</td><td>E 76° 49' 23.4"</td></tr>
<tr><td>7</td><td>N 15° 08' 18.5"</td><td>E 76° 49' 22.5"</td></tr>
<tr><td>8</td><td>N 15° 08' 17.4"</td><td>E 76° 49' 24.2"</td></tr>
<tr><td>9</td><td>N 15° 08' 18.2"</td><td>E 76° 49' 26.2"</td></tr>
<tr><td>10</td><td>N 15° 08' 13.0"</td><td>E 76° 49' 55.1"</td></tr>
<tr><td>11</td><td>N 15° 08' 12.0"</td><td>E 76° 49' 36.9"</td></tr>
<tr><td>12</td><td>N 15° 08' 06.8"</td><td>E 76° 49' 35.8"</td></tr>
<tr><td>13</td><td>N 15° 08' 07.4"</td><td>E 76° 49' 33.1"</td></tr>
<tr><td>14</td><td>N 15° 08' 15.4"</td><td>E 76° 49' 21.9"</td></tr>
<tr><td>15</td><td>N 15° 08' 18.5"</td><td>E 76° 49' 19.6"</td></tr>
<tr><td>16</td><td>N 15° 08' 21.3"</td><td>E 76° 49' 10.8"</td></tr>
<tr><td>17</td><td>N 15° 08' 23.2"</td><td>E 76° 49' 07.7"</td></tr>
</table></td></tr>
<tr><td>3</td><td>Type Of Mineral</td><td>White Quartz Mine</td></tr>
<tr><td>4</td><td>New / Expansion / Modification / Renewal</td><td>Expansion</td></tr>
</table>

5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government Land
6	Area in Ha	18.33 Ha
7	Project Cost (Rs. In Crores)	1.82Cr
8	Annual Production (Metric Ton / Cum) Per Annum	64,687TPA (including waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	5,14,300Tonnes (including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	64,687TPA (including waste)
11	**CER Activities:** • Providing solar power panels to common public places • Enhancing ground water through construction of check dams • Rain water harvesting pits at GHPS school at Belagal village • Construction of ponds for animals • Avenue plantation either side of the approach road near Quarry site & Repair of road With drainages	
12	EMP Budget	Rs. 132.6 lakhs (Capital Cost) & Rs. 35.34 lakhs (Recurring cost)
13	Lease	23/09/2010
14	KSPCB, CFO	24.08.2018
15	Quarry plan	19.04.2021
16	Cluster Certificate	25.07.2019

This is an expansion proposal for White Quartz Quarry for which the earlier EC was issued on 19.12.2007 by SEIAA and lease was granted on 23.09.2010. For the present expansion TOR was issued by SEIAA on 21.12.2019. The proponent had submitted Certified Compliance Report from KSPCB dated 16/02/2022 and Public Hearing was conducted on 05.01.2021. The proponent submitted audit reports certified by DMG.

There is an existing cart track road to a length of 252 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms & should grow trees all along the approach road and also informed the proponent to comply for the observations in Certified Compliance Report issued by KSPCB and Public Hearing for which the proponent agreed.

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

Considering the proved mineable reserve of 5,14,300 tonnes (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 8 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 64,687TPA(including waste).

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

279.41 Expansion & Modification of Mixed Used Development Project at Koramangala Industrial Layout, Jakkasandra Village, Bangalore South Taluk, Bangalore Urban District by M/s. Chalet Hotels Ltd.- Online Proposal No.SIA/KA/MIS/ 167623/2020(SEIAA 38 CON 2021)

About the project:

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. N. Krishnamohan New No. 21, BBMP PID No. 68-4-21 (Old Sy. No. 21, 22, 42 and site no. 1B carved out of Sy. No. 53/1) Jakkasandra, Koramangala Industrial Layout, Bengaluru - 560034
2	Name & Location of the Project	M/s. Chalet Hotels Limited Modification of Project for Mixed Use Development (Commercial and Residential) New No. 21, BBMP PID No. 68-4-21 (Old Sy. No. 21, 22, 42 and site no. 1B carved out of Sy. No. 53/1) Jakkasandra, Koramangala Industrial Layout, Bengaluru – 560034
3	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	• Agara Lake at a distance of 1.08 km towards SE • Madivala Lake at a distance of 1.92 km km towards SW • Bellandur Lake at a distance of 1.20 Km towards East • Kaikondrahalli Lake at a distance of 4.82 km towards SE
b.	Type of water body at the vicinity of the project site and Details of Buffer provided	NA
4	Type of Development	
a.	New / Expansion / Modification	Expansion and modification project Category 8(a), as per EIA Notification 2006
b.	Residential Apartment / Villas/ Row Houses / Vertical Development / Office /IT/ITES/ Mall/ Hotel/ Hospital/ other	Modification of Project for Mixed Use Development (Commercial and Residential)
c.	Residential Township/ Area Development Projects	Not Applicable.
5	Plot Area (Sqm)	33,284.93 Sqm
6	Built Up area (Sqm)	• EC Obtained: 1,54,422.79 SQM • After proposed modification: 1,39,883.84 SQM
7	Building Configuration [Number of Blocks/ Towers/ Wings etc., with Numbers of Basements and Upper Floors]	**EC obtained:** Residential Apartment with: • Blocks A to H & J, K, L : 2B + G + 17 UF **After expansion:**

			Residential apartment with: • Blocks A to H &J : 2B + G + 10UF + T • Block K &L : 1B + G + 11UF + T Commercial Block with : 2B + G + 9UF + T
8	Number of units in case of Construction Projects		**EC obtained:** Residential Apartment with 323 flats **After expansion:** Residential apartment with 322 flats
9	Number of Plots in case of Residential Township/ Area Development Projects		Not Applicable
10	Height Clearance		HAL NoC obtained on 28.04.2022
11	Project Cost (Rs. In crores) towards expansion cost		• Existing Project cost (Blocks A to L) = Rs. 531 Crores • Proposed project cost = Rs. 70.87 Crores
12	Recreational Area in case of Residential Projects / Townships		-
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	8400.92 sq m
	b.	Kharab Land	-
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	9845.06sq m
	d.	Internal Roads	13367.65 sq m
	e.	Paved area	
	f.	Others Specify	1671.30sq m (Civic amenities)
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
	h.	Total	33284.93 sq m
14	Details of demolition debris and / or Excavated earth		
	a	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	The built-up area of demolished floors is 22,108.08 sqm. Construction debris generated from concrete dismantling is 6777 cubic meters and from Masonry dismantling is 3309.05 cubic meters.The demolition work is undertaken as per the Construction and Demolition Waste Management Rules, 2016.
	b	Total quantity of Excavated earth (in cubic meter)	The total quantity of excavated soil from (both existing and proposed) is about 41,850 cubic meters.
	c	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	About 9,450 cubic meters will be used for backfilling and about 800 cubic meters will be used for internal road formation
	d	Excess excavated earth (in cubic meter)	Excess excavated earth of 31,600 cubic meters will be used for landscape development within the project site.
	e	Plan for scientific disposal of excess excavated earth along	NA

		with Coordinate of the site proposed for such disposal		
15		WATER		
	I.	Construction Phase		
	a	Source of water	Tertiary treated water	
	b	Quantity of water for Construction in KLD	20 KLD	
	c	Quantity of water for Domestic Purpose of KLD	30 KLD (Sourced from BWSSB)	
	d	Waste water generation in KLD	27 KLD	
	e	Treatment facility proposed and scheme of disposal of treated water	Domestic sewage generated during construction and deconstruction phase will be treated in the existing soak pits and septic tank. Overflow from septic tanks will be discharged into the existing UGD facilities.	
II.		Operational Phase		
	a	Total Requirement of Water in KLD	**Residential**	
			Fresh	196.42 KLD
			Recycled	96.72 KLD
			Total	293.14 KLD
			Commercial	
			Fresh	40.27 KLD
			Recycled	33.62 KLD
			Total	73.89 KLD
	b	Source of water	BWSSB	
	c	Waste water generation in KLD	Residential	263.82 KLD
			Commercial	66.5 KLD
			Total	330.32 KLD
	d	STP capacity	Residential: 293 KLD; Commercial: 67 KLD	
	e	Technology employed for Treatment	Moving Bed Bio Reactor (MBBR)	
	f.	Scheme of disposal of excess treated water if any	The treated sewage in the project to be recycled for Toilet Flushing, car washing, reused for landscape and avenue plantation and/or sold to other construction sites.	
16		Infrastructure for Rain water harvesting		
	a	Capacity of sump tank to store Roof run off	3 Rain water storage tanks of total capacity of 163 kL will be used to collect the rain water and will be reused for domestic purposes.	
	b	No's of Ground water recharge pits	10 recharge pits	
17		Storm water management plan	Runoff from hardscape/landscape areas to be collected in RWH tanks of 163cum capacity and excess water to be used for recharge of ground water through ground water recharge pits.	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a	Quantity of Solid waste	Total solid waste generated during the construction phase	

		generation and mode of Disposal as per norms	will be 25 kg/day. to be segregated and collected at a common designated place and to be handed over to BBMP for final disposal.
	I I	Operational Phase	
	a	Quantity of Biodegradable waste generation and mode of Disposal as per norms	454 Kg/day tol be treated in an organic converter.
	b	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	680 Kg/daytol be handed over to recyclers.
	c	Quantity of Hazardous Waste generation and mod of Disposal as per norms	The Hazardous waste generated from the project is Waste Oil from DG Sets to be stored is oil sealed (HDPE) barrels and disposed through KSPCB approved waste oil re-processors.
	d	Quantity of E waste generation and mode of Disposal as per norms	NA
19		POWER	
	a	Total Power Requirement – Operational phase	4611 kVA tobe supplied from BESCOM
	b	Number of DG set and capacity in KVA for Standby Power Supply	After expansion: • Residential: 4 x 1000 kVA DG sets • Commercial: 2 x 750 kVA DG sets
	c	Details of Fuel used for DG Set	Ultra-Pure Low Sulphur Content Diesel
	d	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total savings of 21.9%
20		PARKING	
	a	Parking Requirement as per norms	• EC obtained: 1186ECS • After expansion: 946ECS (722 ECS- Residential Blocks & 224 ECS- Commercial Block)
	b	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	After expansion LOS: C
	c	Internal Road width (RoW)	Fire drives are proposed.
21		CER Activities	Infrastructure Development to Nearby schools
22		EMP	Construction Phase: 149 Laksh. Operation Phase: 267 Lakhs & 18.83 Lakhs reccuring

Initially the proposal was considered in 264th SEAC meeting. After appraisal, the committee deferred the project until final court orders and NOC from HAL for height clearance are obtained. Once again the proposal was considered in 271st SEAC Meeting after the Hon'ble High Court Orders, where in the committee had deferred the appraisal of project and informed the Proponent to

obtain NOC from M/s HAL after completion of demolition of already constructed structures above 932 mtr AMSL as per Hon'ble High Court Orders.

In the present meeting the proponent informed the committee that as per Hon'ble High Court Orders they have demolished the constructed structures above 932 mtr AMSL and had handled demolition waste as per C&D Waste Management Rules and submitted NoC from HAL dated 28/04/2022.

The proponent informed the committee that the proposed project is for modification and expansion of earlier EC issued by SEIAA on 30.09.2013 for BUA of 1,54,422.79 and now it is proposed for a modified BUA of 1,39,883.84Sqm with no change in plot area and has submitted Certified Compliance Report from MoEF&CC rated satisfactory for earlier EC conditions.

The proponent informed that they have made provisions to grow a total of 416 trees in the project area and to charge electrical vehicles in the proposed project area. The proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines for the proposed construction and adhere to the by-laws stipulated by the governing authority for buffers and setbacks. The committee informed the proponent to install smart metering for individual units for conservation of water and manage excess drainage water within the site area, for which the proponent agreed.

The committee noted that the baseline parameters are found to be within permissible limits and informed the proponent to leave buffers/setbacks as per zoning regulations and to harvest maximum rainwater in the proposed project area. The committee after discussion decided to recommend the proposal to SEIAA for issue of EC with a condition to install smart metering for individual units for conservation of water and to comply with the observations in CCR issued by MoEF&CC.

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

279.42 Ordinary Sand Quarry Project at Sy. Nos. 47/1, 2, 3, 4, 5, 6, 7, 8, 9 of Cholachagudda Village, Badami Taluk, Bagalakot District (12-13 Acres) by Sri Sagar Konnur- Online Proposal No.SIA/KA/MIN/ 240811/2021 (SEIAA 645 MIN 2021)

The proposal was initially considered in 274th SEAC Meeting, and the committee had deferred the project appraisal as the extent mentioned in lease sketch was different from the extent mentioned in Form JIR.

In the present meeting, the committee observed that the proposed mining area was at a distance of 295 mtrs from Malaprabha River. The committee informed the proponent to get clarification as per Sustainable Sand Mining Guidelines and Sand Enforcement and Monitoring Guidelines from DMG, informing that there are no river bed sand mining blocks in a radius of 5kms from the said project site. The committee after discussion decided to defer the appraisal of the project proposal.

Action: Member Secretary, SEAC to put up before SEAC until submission of necessary information sought.

279.43 Gray Granite Quarry Project at Mudgal Village, Lingasugur Taluk, Raichur District (4-01 Acres) by Sri Mallikarjuna Gouda Patil- Online Proposal No.SIA/KA/MIN/ 258945/2022(SEIAA 89 MIN 2022)

About the project:

<table>
<tr><td>Sl.No</td><td>PARTICULARS</td><td colspan="2">INFORMATION</td></tr>
<tr><td>1</td><td>Name & Address of the Projects Proponent</td><td colspan="2">Sri Mallikarjuna Gouda Patil S/o Doddanagouda Patil, #172, Basavnagar, Near Basaveshwar circle, ward no. 2, Ilkal, Bagalkot-587125</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td colspan="2">Gray Granite Quarry Project at Sy.No.400/*/* of Mudgal Village, Lingasugur Taluk, Raichur District (4-01 Acres)
<table>
<tr><td colspan="3">Co-Ordinates in hddd°mm.mmm' Datum: WGS 84</td></tr>
<tr><td></td><td>Latitude</td><td>Longitude</td></tr>
<tr><td>X</td><td>N15° 59' 28.40"</td><td>E76° 27' 36.20"</td></tr>
<tr><td>A</td><td>N15° 59' 26.80"</td><td>E76° 27' 27.60"</td></tr>
<tr><td>B</td><td>N15° 59' 28.50"</td><td>E76° 27' 26.50"</td></tr>
<tr><td>C</td><td>N15° 59' 31.60"</td><td>E76° 27' 21.80"</td></tr>
<tr><td>D</td><td>N15° 59' 35.90"</td><td>E76° 27' 37.70"</td></tr>
<tr><td>E</td><td>N15° 59' 34.10"</td><td>E76° 27' 38.40"</td></tr>
<tr><td>F</td><td>N15° 59' 30.80"</td><td>E76° 27' 32.00"</td></tr>
</table></td></tr>
<tr><td>3</td><td>Type Of Mineral</td><td colspan="2">Gray Granite Quarry</td></tr>
<tr><td>4</td><td>New / Expansion / Modification / Renewal</td><td colspan="2">New</td></tr>
<tr><td>5</td><td>Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]</td><td colspan="2">Patta Land</td></tr>
<tr><td>6</td><td>Area in Ha</td><td colspan="2">1.62 Ha(4-01Acres)</td></tr>
<tr><td>7</td><td>Project Cost (Rs. In Crores)</td><td colspan="2">3.30Cr</td></tr>
<tr><td>8</td><td>Annual Production (Metric Ton / Cum) Per Annum</td><td colspan="2">6,667 Cu.mt/annum (including waste)</td></tr>
<tr><td>9</td><td>Proved Quantity of mine/ Quarry- Cu.m / Ton</td><td colspan="2">1,23,500Cu.mt (30% Granite, 20% Khandas, 30% Building Stone, 20% Waste)</td></tr>
<tr><td>10</td><td>Permitted Quantity Per Annum - Cu.m / Ton</td><td colspan="2">6,667 Cu.mt/annum (including waste)</td></tr>
<tr><td>11</td><td colspan="3">CER Activities:
• As per action plan from principal, Govt. collage and school, Mudgal
• Providing Solar lights to Bus Stand Mudgal-5 nos
• Repairing the compound wall and white washing the govt. Polytechnic, Mudgal</td></tr>
<tr><td>12</td><td>EMP Budget</td><td colspan="2">Rs.20.64 lakhs (Capital Cost) & Rs. 19.35 lakhs (Recurring cost)</td></tr>
<tr><td>13</td><td>Forest NOC</td><td colspan="2">18.12.2020</td></tr>
<tr><td>14</td><td>District Task Force</td><td colspan="2">21.06.2021</td></tr>
<tr><td>15</td><td>Quarry plan</td><td colspan="2">11.02.2022</td></tr>
<tr><td>16</td><td>Land Conversion Order</td><td colspan="2">04.09.2018</td></tr>
</table>

17	Revenue NOC	29.05.2021
18	Cluster Certificate	06.08.2021

The proposal was initially considered in 276th SEAC Meeting and the committee had deferred the appraisal of the project as the proponent remained absent.

In the present meeting, the proponent informed that 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 should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 19 leases including the present lease within 500 meter radius from this lease out of which16 leases are exempted from cluster as the EChad been issued prior to 15.01.2016 and the total area of the remaining leases including the present lease is 10-33 Acres, hence the project is categorized as B2.

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

Considering the proved mineable reserve of 1,23,500 Cu.mt (30% Granite, 30% Khandas, 20% Building Stone, 20% Waste) as per the approved quarry plan, the committee estimated the life of the mine as 19 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 6,667 Cu.mt/annum (including waste).

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

79.44 Gray Granite Quarry Project at Mudgal Village, Lingasugur Taluk, Raichur District (3-14 Acres) bySri Yumunappa H- Online Proposal No.SIA/KA/MIN/ 258920/2022 (SEIAA 90 MIN 2022)

About the project:

<table>
<tr><td>Sl.No</td><td>PARTICULARS</td><td>INFORMATION</td></tr>
<tr><td>1</td><td>Name & Addressof the Projects Proponent</td><td>Sri Yumunappa HS/o Hanumappa Gandhinagar, Ward no 14,Maski, Lingasugur Taluk, Raichur-584124</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>Gray Granite Quarry Project at Sy. No. 715/1 of Mudgal Village, Lingasugur Taluk, Raichur District (3-14 Acres)
<table>
<tr><td colspan="3">Co-Ordinates in hddd°mm.mmm' Datum: WGS 84</td></tr>
<tr><td></td><td>Latitude</td><td>Longitude</td></tr>
<tr><td>A</td><td>N15° 59' 29.85"</td><td>E76° 27' 31.25"</td></tr>
<tr><td>B</td><td>N15° 59' 26.89"</td><td>E76° 27' 27.73"</td></tr>
<tr><td>C</td><td>N15° 59' 23.34"</td><td>E76° 27' 30.12"</td></tr>
<tr><td>D</td><td>N15° 59' 24.49"</td><td>E76° 27' 31.03"</td></tr>
<tr><td>E</td><td>N15° 59' 25.22"</td><td>E76° 27' 30.26"</td></tr>
<tr><td>F</td><td>N15° 59' 28.27"</td><td>E76° 27' 32.96"</td></tr>
</table></td></tr>
<tr><td>3</td><td>Type Of Mineral</td><td>Gray Granite Quarry</td></tr>
</table>

4	New / Expansion / Modification / Renewal	New
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Patta Land
6	Area in Ha	1.34Ha (3-14 Acres)
7	Project Cost (Rs. In Crores)	1.97Cr
8	Annual Production (Metric Ton / Cum) Per Annum	5,000 Cu.mt/annum (including waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	1,21,000Cu.mt (30% Granite, 30% Khandas, 20% Building Stone, 20% Waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	5,000 Cu.mt/annum (including waste)
11	**CER Activities:** Plantation in Govt. Park, Mudgal village and Watering and Maintenance ever year	
12	EMP Budget	Rs.23.53 lakhs (Capital Cost) & Rs. 16.68 lakhs (Recurring cost)
13	Forest NOC	09.02.2018
14	District Task Force	21.06.2021
15	Quarry plan	11.02.2022
16	Land Conversion Order	04.02.2012
17	Revenue NOC	05.06.2021
18	Cluster Certificate	06.08.2021

The proposal was initially considered in 276th SEAC Meeting and the committee had deferred the appraisal of the project as the proponent remained absent.

In the present meeting, the proponent informed that there is an existing cart track road to a length of 500 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

As per the cluster sketch there are 19 leases including the present lease within 500 meter radius from this lease out of which16 leases are exempted from cluster as the EChad been issued prior to 15.01.2016 and the total area of the remaining leases including the present lease is 10-33 Acres, hence the project is categorized as B2.

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

Considering the proved mineable reserve of 1,21,000Cu.mt (30% Granite, 30% Khandas, 20% Building Stone, 20% Waste) as per the approved quarry plan, the committee estimated the life of the mine as 25 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 5,000 Cu.mt/annum(including waste).

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

279.45 Black Granite Quarry Project at Sy. No. 118/1 of Nilvadi Village, Periyapatna Taluk, Mysore District (3-11 Acres) (1.325 Ha) by Smt. Gangambika G.- Online Proposal No. SIA/KA/MIN/ 225179/2021 (SEIAA 396 MIN 2021)

The proposal was initially considered in 268th SEAC Meeting and the committee had deferred the appraisal of the project for want of C&I notification and clear Forest NOC.

The committee observed that the project site is located at a distance of 8.90 KM from the boundary of the buffer zone of Nagarahole Tiger Reserve for which ESZ notification has not been notified asyet.

Since the project site falls within the default ESZ of the buffer zone of Nagarahole Tiger Reserve, committee decided to defer the appraisal of the project proposal till the ESZ final notification is issued.

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

279.46 Expansion of Building Staone Quarry Project at Maralahalli Kavalu Village, Chikkanayakanahalli Taluk, Tumkur District (1-00 Acre) bySri Makthar S- Online Proposal No.SIA/KA/MIN/ 229951/2021 (SEIAA 508 MIN 2021) : Expansion

About the project:

Sl.No.	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	Sri Makthar SS/o. Lt. Sri. Sabu sab Dakshina Badavane, Jogihalli Gate Chikkanayakanahalli Taluk, Tumkur District
2	Name & Location of the Project	Expansion of Building Stone Quarry Project at Sy. No. 36 of Maralahalli Kavalu Village, Chikkanayakanahalli Taluk, Tumkur District (1-00 Acre)
3	Type Of Mineral	Building Stone Quarry
4	New / Expansion / Modification / Renewal	Expansion Quarry (QL No. 832).
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Govt. Revenue Land
6	Area in Ha	1-00 Acre
7	Project Cost (Rs. In Crores)	0.25Cr
8	Annual Production (Metric Ton / Cum) Per Annum	30,304 TPA (including waste)
9	Proved Quantity of mine/ Quarry-	2,27,931Tonnes (including waste)

P. No.	Latitude	Longitude
A	N 13° 30' 03.1"	E 76° 34' 30.4"
B	N 13° 30' 03.0"	E 76° 34' 33.2"
C	N 13° 30' 01.4"	E 76° 34' 33.2"
D	N 13° 30' 01.5"	E 76° 34' 30.4"

	Cu.m / Ton	
10	Permitted Quantity Per Annum - Cu.m / Ton	30,304 TPA (including waste)
11	**CER Activities:** To take up additional plantation on either side of the approach road from quarry location to Maralahalli Kavalu Village Road	
12	EMP Budget	Rs. 6.275 Lakhs (Capital Cost) &9.90 Lakhs (Recurring cost for 5 years)
15	Quarry plan	31.07.2021
17	CCR - KSPCB	05.05.2022

The proposal is for expansion for which EC was issued on 30.12.2014 and lease was granted on 31.05.2016. The proponent had submitted certified compliance report from KSPCB on 05.05.2022.

There is an existing cart track road to a length of 500 meters connecting lease area to the all weather black topped road and the committee informed that the increase in quarrying operation should be commenced after asphalting the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

The proposal is exempted from cluster as the EC was granted prior to 15.01.2016 and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 2,27,931 (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 8 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 30,304 TPA (including waste).

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

279.47 Expansion of Building Stone Quarry Project at Maralahalli Kavalu Village, Chikkanayakanahalli Taluk, Tumkur District (1-00 Acre) by Sri Makthar S. - Online Proposal No.SIA/KA/MIN/ 227328/2021 (SEIAA 461 MIN 2021) : Expansion

About the project:

Sl.No.	PARTICULARS	INFORMATION
1	Name & Address of the Projects Proponent	Sri Makthar S. S/o. Lt. Sri Sabu sab Dakshina Badavane, Jogihalli Gate Chikkanayakanahalli Taluk, Tumkur District
2	Name & Location of the Project	Expansion of Building Stone Quarry Project at Sy. No.36 of Maralahalli Kavalu Village, Chikkanayakanahalli Taluk, Tumkur District (1-00 Acre)

		GPS READINGS OF BOUNDARY POINTS DATUM: WGS 84

BOUNDARY PILLARS	LATTITUDE	LONGITUDE
A	N13° 30' 08.00"	E76° 34' 41.1"
B	N13° 30' 08.01"	E76° 34' 43.1"
C	N13° 30' 05.90"	E76° 34' 43.2"
D	N13° 30' 05.80"	E76° 34' 41.2"

3	Type Of Mineral	Building Stone Quarry
4	New / Expansion / Modification / Renewal	Expansion Quarry (QL No. 829).
5	Type of Land [Forest, Government Revenue, Gomal, Private / Patta, Other]	Government Land
6	Area in Acres	1-00 Acre
7	Project Cost (Rs. In Crores)	0.25Cr
8	Annual Production (Metric Ton / Cum) Per Annum	30,309 TPA (including waste)
9	Proved Quantity of mine/ Quarry- Cu.m / Ton	2,22,709 Tonnes (1% including waste)
10	Permitted Quantity Per Annum - Cu.m / Ton	30,309 TPA (including waste)
11	**CER Activities:** - To take up additional plantation on either side of the approach road from quarry location to Maralahalli Kavalu Village Road	
12	EMP Budget	Rs. 5.875 Lakhs (Capital Cost) & 9.90 Lakhs (Recurring cost for 5 years)
13	Forest NOC	11.10.2013
14	Notification	20.02.2014
15	Quarry plan	31.07.2021
16	Revenue NOC	31.08.2013
17	CCR – KSPCB	05.05.2022
18	Cluster Certificate	05.08.2021

The proposal is for expansion for which EC was issued on 30.12.2014 and lease was granted on 01.10.2014. The proponent had submitted certified compliance report from KSPCB on 05.05.2022.

There is an existing cart track road to a length of 460 meters connecting lease area to the all weather black topped road and the committee informed that the quarrying operation should be commenced after strengthening the approach road to the quarry & the road connecting to the crusher as per IRC (Indian Road Congress) standard norms &should grow trees all along the approach road, for which the proponent agreed.

The proposal is exempted from cluster as the EC was granted prior to 15.01.2016 and hence the project is categorized as B2. The Proponent has collected baseline data of air, water, soil and noise and all are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters will be maintained within the permissible limits.

Considering the proved mineable reserve of 2,22,709 Tonnes (1% including waste) as per the approved quarry plan, the committee estimated the life of the mine as 8 years. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance for an annual production of 30,309 TPA (including waste).

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

279.48 Residential Apartment Project at Gunjur Village, Varthur Hobli, Bangalore East Taluk, Bangalore Urban District by M/s. Rohan Builders - Online Proposal No.SIA/KA/MIS/260460/2022(SEIAA 36 CON 2022)

About the project:

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Santosh. B. Lunkad, General Manager M/s. Rohan Builders #1147, 3rd Floor, K. P. Icon Bldg., 12th Main, HAL 2nd Stage, Indiranagar - 560008
2	Name & Location of the Project	Residential Apartment Project at Sy.Nos.129/1, 129/4, 129/6 & 130/3, Gunjur Village, Varthur Hobli, Bangalore East Taluk, Bangalore Urban District
3	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Proposed Residential Apartment Category 8(a), Building & Construction project as per the EIA notification 2006
b.	Residential Township/ Area Development Projects	-NA-
4	New/ Expansion/ Modification/ Renewal	New
5	Water Bodies/ Nalas in the vicinity of project site	• Panathur Lake – 1.86 km, NW • Panathurkere – 1.71 km, NW • BellandurAmanikere – 1.62 km, NW • Varthurkere – 1.51 km, NE
6	Plot Area (Sqm)	26,708.88 SQM
7	Built Up area (Sqm)	1,32,809.62 SQM
8	FAR • Permissible • Proposed	 3.25 3.249
9	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	2BF+GF+22UF+Club House
10	Number of units/plots in case of Construction/Residential Township / Area Development Projects	787 nos

11	Height Clearance	Justified that, existing projects namely Akarsha Reality at a distance of 0.73km from the proposed site is having a top elevation of 960.90 mtr AMSL, Prestige office ventures at a distance of 1.71km from proposed site is having top elevation of 971.20mtr AMSL and proposed project is having a top elevation of 951.65mtr AMSL. AAI NOC Dated: 04/04/2022
12	Project Cost (Rs. In Crores)	Rs. 293.24 Crores
13	Disposal of Demolition waster and or Excavated earth	Construction Debris 4500 Kgs To be reused / recycled for back filling / sub base work for roads & pavements within project site.
14	Details of Land Use (Sqm)	
a.	Ground Coverage Area	5,578.87 SQM
b.	Kharab Land	-
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	8,194.93 SQM
d.	Internal Roads	Parking & Open spaces – 2,650 SQM
e.	Paved area	
f.	Others Specify	Civic Amenities 1,325.32 Sq.mt
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-NA-
h.	Total	Total site area – 26,708.88 SQM
15	WATER	
I.	Construction Phase	
a.	Source of water	Private water tankers and treated water supplies
b.	Quantity of water for Construction in KLD	30 KLD
c.	Quantity of water for Domestic Purpose in KLD	30 KLD - for the Labour Colony for 300 labours
d.	Waste water generation in KLD	27 KLD
e.	Treatment facility proposed and scheme of disposal of treated water	Wastewater will be treated in the mobile STP.
II.	Operational Phase	
a.	Total Requirement of Water in KLD	The total water requirement of the project is 639 KLD
b.	Source of water	BWSSB
c.	Waste water generation in KLD	Total Wastewater generation of the project is 575 KLD
d.	STP capacity	STP of capacity 600 KLD
e.	Technology employed for Treatment	SBR Technology
f.	Scheme of disposal of excess treated water if any	No excess treated water
16	Infrastructure for Rain water harvesting	

	a.	Capacity of sump tank to store Roof run off	225 cum
	b.	No's of Ground water recharge pits	17 Nos. of Ground water recharge pits
17	Storm water management plan		Storm water to be stored in water sump capacity 631 cum and excess to be used for recharge of ground water through 17 recharge structures.
18	WASTE MANAGEMENT		
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	Total No. of labours = 300 Nos. (considering @ 0.1 Kg /day /person) Solid waste generation= 300 X 0.1=30 Kgs /day. handed over to Authorized recyclers
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1352 Kg/day of Organic waste to be composted using organic waste converter
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	901Kg/day of inorganic waste to be given to authorized re-cyclers
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	0.06 Lit/Aof Used Oil from DG Sets to be stored at an identified place in leak proof barrels and to be given to KSPCB Authorized refiners.
	d.	Quantity of E waste generation and mode of Disposal as per norms	10 Kgs/Annum, to be handed over to authorized recyclers.
19	POWER		
	a.	Total Power Requirement - Operational Phase	3167 KVA.
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	3 X 400 KVA Used oil from these DG sets to be handed over to Authorized refiners.
	c.	Details of Fuel used for DG Set	HSD for DG sets with low Sulphur content <0.05%.
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total savings of 15.86%
20	PARKING		
	a.	Parking Requirement as per norms	873 Nos. ECS
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	LOS : B & C
	c.	Internal Road width (RoW)	8 mtr
21	CER Activities		Rejuvenation of lake.
22	EMP • Construction phase • Operation Phase		EMP Cost during Construction phase:- 28.00 lakhs EMP Cost during Operation phase:- 211.5 lakhs and 23.20Lakhs/Annum

The proposal was initially considered in the 277th SEAC meeting and the committee had deferred the proposal, to have a site visit.

The sub-committee visited the site on 17/05/2022 and the sub-committee after detailed inspection decided to seek clarifications/details from the proponent for the observations made. The proponent submitted the following clarification for the observations made by the sub-committee,

1. *Details of excavated soil management.*

   The proponent informed the committee that total excavated quantity is 1,30,000 cum, where in 58,000 cum to be used within site area and the remaining 72,000 cum, to be disposed outside the property and for which they had obtained NoC from the land owner for filling excess soil of 72,000 cum in his land.

2. *Details of water body as per village map (Southern side of plot area)*

   The proponent informed the committee that the water body is nothing but a temporary manmade pond (kunte) in the southern side of the property and kunte in village map is not in SOI topo sheet and not existing on ground.

3. *Details of rainwater harvesting from rooftop and hardscape/landscape areas (with respect to Present Site contours).*

   The proponent informed the committee that they had proposed 225cumstorage tank for runoff from rooftop and an additional tank of 631 cum capacity for runoff from landscape and paved areas in addition to 17 nos recharge pits are proposed within the project area.

4. *Building line from the existing CDP road.*

The proponent informed the committee that building line is at a distance of 26.10mtr from the edge of the CDP road as per bylaws.

The committee accepted the clarification given by proponent and appraised the proposal. The proponent further informed the committee that they have made provisions to grow 334 trees in the proposed project area. The proponent committed to take precautionary measures during and after construction to maintain the environmental parameters within permissible limits in the proposed project and agreed to comply with the ECBC and NBC guidelines 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 are found to be within permissible limits and informed the proponent to leave buffers/setback as per zoning regulations and harvest maximum rainwater in the proposed project area. The committee after discussion decided to recommend the proposal for issue of EC to SEIAA a condition to install smart metering for individual units for conservation of water.

Action: Member Secretary, SEAC to recommend the proposal for SEIAA for further necessary actions.

With the permission of Chair,

279.49 Building Stone Quarry Project at Sy. Nos. 202/4K, 4D, 4E, 4F, 4G (Part) of Nandikurali Village, Raibag Taluk, Belagavi District (1-25 Acres) by M/s. Mahaligeshwara Stone Crusher & M.Sand - Online Proposal No.SIA/KA/MIS/76981/2022 (SEIAA 241 MIN 2022) : ToR

The proponent has obtained NOCs from Forest & Revenue Department. The lease was notified on 10.03.2022& quarry plan approved on 05.04.2022.

The lease area is 1-25 Acres and total area considered for cluster is 21-25A, which is more than the threshold limit of 5 Ha. Hence the project is categorized as B1 and decided to recommend the proposal to SEIAA for issue of standard TOR with the following additional TOR to conduct EIA studies along with public hearing.

1. Cumulative pollution load taking into account of cluster should be submitted.
2. Waste handling details should be submitted.
3. Strengthening of the approach road & road connecting to the crusher as per IRC (Indian Road Congress) standard norms.
4. Buffer from nala or water body as per norms.

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

Meeting Concluded with vote of thanks to all.

Member Secretary, SEAC
Karnataka

Chairman, SEAC
Karnataka