

**-Proceedings for 195<sup>th</sup> SEAC Meeting held on 27<sup>th</sup> and 28<sup>th</sup> March 2018**

Members present in the meeting:

Shri. N. Naganna	-	Chairman
Shri. B. Chikkappaiah, IFS(R)	-	Member
Dr. N. Krishnamurthy	-	Member
Shri K.B Umesh	-	Member
Shri M. Srinivasa	-	Member
Dr. Vinodkumar C.S	-	Member
Shri. Vyshak V. Anand	-	Member
Shri. J.G. Kaveriappa	-	Member
Shri. D. Raju	-	Member
Shri. Vijaya Kumar, IFS	-	Secretary

The Chairman, SEAC, Karnataka welcomed the members of the Committee and others present. The following proposals listed in the agenda were appraised in accordance with the provisions of EIA Notification 2006. The observation and decision of the Committee are recorded under each of the agenda items.

**Confirmation of the proceedings of 194<sup>rd</sup> SEAC meeting held on 13<sup>th</sup>, 14<sup>th</sup> & 15<sup>th</sup> March 2018.**

The State Expert Appraisal Committee, Karnataka perused the proceedings of 194<sup>rd</sup> SEAC meeting held on 13<sup>th</sup>, 14<sup>th</sup> & 15<sup>th</sup> March 2018 and confirmed the same.

**EIA Appraisals:**

195.1 Lift Irrigation Scheme Project at Hankunti village, Koppal Taluk, Koppal District by M/s Karnataka Neeravari Nigam Limited (SEIAA 57 IND 2016)

**Proponent Name: M/s. Karnataka Neeravari Nigam Limited**

**Environmental Consultant Name: Environmental Health & Safety  
(NABET Accredited Consultant)**

M/s. Karnataka Neeravari Nigam Limited, have applied for their irrigation project. The scheme involves lifting of 0.5 TMC water from Tungabhadra River near Hunikunti Village of Koppal Taluk, by constructing a jack well and pump house. Cost of the project is 87.10 Crores

**Need for the project and its importance to the country and or region:** The proposed command area is a left out area of Singatalur Lift Irrigation scheme for which EIA studies and Environmental Public hearing has been completed in 2015. The surrounding areas of the proposed command are already covered under existing/ planned irrigation systems. Therefore, to facilitate irrigation for the higher lands, Alavandi- Betageri LIS is proposed to meet the demands of farmers and elected representatives of the region.

**Demand-Supply:** The total water allocated for the proposed project was 0.5 TMC of water from the Tunga Bhadra River near Hunikunti Village, Koppal taluk and District and providing irrigation facility to 2,105 ha of land.

**Power Requirement:** The total power required is 2.652 KW sourced from GESCOM (Gulbarga Electric Supply Company)

The Proponent and Environment Consultant attended the meeting of SEAC to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, pre-feasibility report, proposed ToRs and clarification/additional information provided during the meeting. The committee decided to recommend the proposal to SEIAA for issuing of Standard ToRs. The committee also prescribed the following additional ToRs.

1. Impact on the competitive users due to drawing 0.5 TMC water from Tunga Bhadra river
2. Detailed soil analysis considering the impact of fertilisers used by farmers.

The proponent has submitted the EIA report vide letter dated:26<sup>th</sup>February 2018.

The proposal is placed before the committee for appraisal.

Sr. No.	Particulars	Information
1.	Name of the project	Alavandi-Betageri LIS
2.	Location of the project	Near Hanakunti Village, Koppal Taluk & District, Karnataka
3.	Present Land Use	Rainfed Agriculture
4.	Name & Address of the project proponent	Chief Engineer, Karnataka Neeravari Nigam Ltd, Irrigation Central Zone, Munirabad, Koppal District
5.	New/ Expansion/Modification	New
6.	Command Area of the project	2425 Ha
7.	Name of the River	Tungabhadra
8.	Type of Irrigation	Gravity Flow
9.	Cost of the project	87.10 Crores
10.	No. of villages benefitted	6 Villages in Koppal Tq & District
11.	Allocated Water for the project	0.5 TMC
12.	Cropping Pattern	Khariff (June-November)
13.	Submergence	Nil
14.	Rehabilitation and Resettlement	Nil
15.	Land Requirement	70 Ha
16.	Forest Land Requirement	Nil
17.	Protected Areas / ESZ in the 10 Km radius vicinity	Nil

18.	Power Requirement	2.65 MW, Source: GESCOM
19.	B.C Ratio	1.10
20.	Period of Construction	2 Years
21.	EMP Cost	7.78 Crores for Construction phase 1.37 Crores for Operation Phase
22.	Date of Issue of TOR	08.03.2017
23.	Study period	March-May, 2017
24.	Date of Public Hearing	24.01.2018
25.	Date of Final EIA/EMP submission	26.02.2018

The Proponent and Environment Consultant attended the meeting to present the EIA report and to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Prefeasibility report, EIA report and clarification/additional information provided during the meeting.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with the following conditions:

**Conditions:**

- 1) The Proponent shall continue the existing sesamum crop cultivation and to give preference to oilseeds crops in the proposed cropping pattern.
- 2) The Proponent shall go for micro/drip irrigation because the area under irrigation is mostly Black cotton soil.
- 3) The Proponent shall take up only local agro forestry species viz., Sesbenia, Glyricidia, Pongamia etc in the project area instead of the species that are grown in the high forest area.
- 4) The Proponent shall submit suitable conservation and management measures to protect Black Buck and Peacock and also rare threatened other fauna and flora in consultation with the Forest Department.
- 5) The Proponent shall install mobile STP instead of septic tank and soak pit during construction phase.
- 6)

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

**Deferred Subjects(TOR)**

195.2 Proposed expansion of Additional Tankages & Allied Facilities Project at Sy.No.16, 20, 22, 23, 24, 25, 26, 27, 28 of Panambur Village, Mangalore Taluk, Dakshina Kannada District By M/s. Indian Oil Corporation (SEIAA 21 IND 2017)

Sl.	PARTICULARS	INFORMATION
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No		
1	Name & Address of the Project Proponent	INDIAN OIL CORPORATION LIMITED MANGALORE TERMINAL, PANAMBUR, MANGALORE - 575010
2	Name & Location of the Project	EXPANSION OF MANGALORE TERMINAL Village - Panambur, Tehsil - Mangalore, District - Dakshin Kannada, Karnataka
3	Co-ordinates of the Project Site	12°54'50" N 74°48'50" E
4	Environmental Sensitivity	
	a.	Distance From nearest Lake/ River/ Nala
	b.	Distance from Protected area notified under wildlife protection act
	c.	Distance from the interstate boundary
	d.	whether located in critically / severally polluted area as per the CPCB norms
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number	Category B, 6(b) (iv) 6(b) Isolated storage & handling of hazardous chemicals (As per threshold planning quantity indicated in column 3 of schedule 2 & 3 of MSIHC Rules 1989 amended 2000
6	New/ Expansion/ Modification/ Product mix change	Expansion
7	Plot Area (Sqm)	Existing: 102719; Proposed expansion: 36890
8	Built Up area (Sqm)	84984 Sqm Existing land.
9	Component of developments	Storage Tanks, Tank Lorry Filling, Fire Fighting Systems (Tanks, Engines, Pumps, Pipelines), Other associated facilities
10	Project cost (Rs. In crores)	Rs. 273 Crores
11	Details of Land Use (Sqm)	
	a.	Ground Coverage Area
	b.	Kharab Land
	c.	Internal Roads
	d.	Paved area
	e.	Parking
	f.	Green belt
	g.	Others Specify
	h.	Total

12	Products and By- Products with quantity (enclose as Annexure if necessary )	No By Products. Storage of MS, HSD, SKO, HFHSD, FO, Ethanol and Bio Diesel
13	Raw material with quantity and their source (enclose as Annexure if necessary )	No Raw material as not a production unit
14	Mode of transportation of Raw material and storage facility	No Raw material as not a production unit. Product received through Pipelines and Ocean Tankers. Ethanol and Bio Diesel through Tank Trucks
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	Not Applicable
16	Fly ash production, storage and disposal details whereas coal is used as fuel	Not Applicable
17	Complete process flow diagram and technology employed	Only Receipt, Storage and Despatch of Petroleum products.
18	Details of Plant and Machinery with capacity/ Technology used	Tankage details submitted along with Form I. No process or Manufacture.
19	Details of VOC emission and control measures wherever applicable	VOC emission of MS during Tank Truck Loading. Vapour recovery unit proposed to control the same.
20	WATER:	
	I. Construction Phase	
	a. Source of water	Existing Open Well
	b. Quantity of water for Construction in KLD	1 KLD
	c. Quantity of water for Domestic Purpose in KLD	1 KLD
	d. Waste water generation in KLD	Nil (water used only for cleaning and civil works)
	e. Treatment facility proposed and scheme of disposal of treated water	Not applicable
	II Operational Phase	
	a. Source of water	Existing Open well
	b. Total Requirement of Water in KLD	Fresh 11.5
		Recycled 1
		Total 12.5
	c. Requirement of water for industrial purpose / production in KLD	Fresh 0
		Recycled 0
		Total 0
	d. Requirement of water for domestic purpose in KLD	Fresh 11.5
		Recycled 1
		Total 12.5
	e. Waste water generation in KLD	Industrial effluent 0
		Domestic sewage 10
		Total 10
	f. ETP/ STP capacity	ETP shall be provided to treat waste water

			generated from cleaning activities.
	g.	Technology employed for Treatment	NA
	h.	Scheme of disposal of excess treated water if any	NA. No discharge
21	Infrastructure for Rain water harvesting.		All roof tops shall be connected to a RWH pit.
22	Storm water management plan		Storm water shall be routed to RWH pits and Open well.
23	Air Pollution		
	a.	Sources of Air pollution	DGs and Fire Engines
	b.	Composition of Emissions	COx, NOx, SOx, Particulate emissions
	c.	Air pollution control measures proposed and technology employed	BSIV Fuel shall be used. Engine shall be compliant with PCB norms and regular stack monitoring shall be carried out
24	Noise Pollution		
	a.	Sources of Noise pollution	Nil
	b.	Expected levels of Noise pollution in dB	
	c.	Noise pollution control measures proposed	
25	WASTE MANAGEMENT		
	I.	Operational Phase	
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable
			0.3 tons per day shall be disposed in Bio methanisation plant
			Non- Biodegradable
			Nil
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	0.3 KLD generated during Tank cleaning in the form of Sludge shall be disposed through PCB authorized recyclers.
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	Nil
26	Risk Assessment and disaster management		Shall be prepared based on TOR
27	POWER		
	a.	Total Power Requirement in the Operational Phase with source	1.5 MW - MESCOM
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	650KVAX2 and 380KVA X2
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	HSD used in DGs
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per	Solar plants shall be provided on all roof tops, Five star rated equipments shall be used. All lighting shall be LED based.

		ECBC 2007	
28		PARKING	
	a.	Parking Requirement as per norms	Parking construction within the facility for the Tank trucks and vehicles reaching terminal
	b.	Internal Road width (RoW)	3.5-5 m
29		Any other information specific to the project (Specify)	Project is only expansion of existing Terminal with no manufacturing process or pollutants in normal course of operations.

The proponent was invited for the 192<sup>nd</sup> SEAC Meeting held on 30<sup>th</sup> and 31<sup>st</sup> January 2018 to provide required clarification.

The proponent and NABET accredited EIA consultant attended the meeting to provide required clarification/additional information.

The committee while appraising the proposal observed that the project is located in the CRZ area and asked the proponent whether he has obtained CRZ clearance for which the proponent stated that he has not obtained CRZ clearance. The committee decided to appraise the proposal only after obtaining the CRZ Clearance and decided to defer the appraisal.

The proponent was invited for the meeting to provide additional information and clarification.

The Proponent and Environmental Consultant attended the meeting to provide clarification/additional information.

The committee screened the proposal considering the information provided in the statutory application-Form-I, Prefeasibility report, ToRs proposed and clarification/additional information provided during the meeting.

The committee noted that the proposal is for modification of the existing facility and also for expansion. But the application made out is only for expansion. However in the Form-IA modification of the existing facility is also included.

The Committee after discussion decided to consider the proposal as B1 and decided to recommend the proposal to SEIAA for issue Standard ToRs with following additional ToRs for conducting EIA study in accordance with EIA Notification 2006 and the relevant guidelines.

**Additional TORs.**

- 1) Extensive studies to be conducted in the Gurupura river to assess the impact on the water quality and marine life over the years with a comparative study.
- 2) Compliance to CFO conditions may be detailed.
- 3) Details of existing and proposed area under green belt along with the list of plants existing and proposed with their numbers.

- 4) Soil analysis reports should contain details of major and secondary nutrients.
- 5) Details of hazardous waste management with manifestos to be submitted.
- 6) Hydrocarbons monitoring study in the storm water drain to be submitted.
- 7) Implication of CRZ Notification 2011 and the CRZ clearance from the KSCZMA may be furnished.
- 8) Carbon foot print of the project to be quantified and suitable offset be suggested.

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

195.3 Proposed Residential Development at 107(P), 115/2, 15/3, 115/4, 115/5, 116/3 situated at Nagondanahalli Village and Sy.Nos. 30/1 & 30/6 located at Hagadur Village, K.R Puram hobli, Bangalore East Taluk, Bangalor District by M/s Sobha Limited(SEIAA 40 CON 2018)

Sl. No.	Particulars	Information										
1.	Name of the project	Proposed Residential Development										
2.	Location of the project	Sy. No. 107(P), 115/2, 115/3, 115/4, 115/5, 116/3 situated at Nagondanahalli Village and Sy. No. 30/1, 30/6 located at Hagadur Village, K.R. Puram Hobli, Bangalore East Taluk										
3.	Land use as per CDP	Residential zone										
4.	Name & Address of the project proponent	Mr. Prasanna Venkatesh G, Senior Vice President (M & E Plumbing, Fire & Environment Department) M/s Sobha Limited Sarjapur-Marthahalli Outer Ring Road Bellandur Post, Bangalore - 560103										
5.	New/ Expansion/Modification	New										
6.	Site Area in Sqmt	58,932.35 Sq.m (14 Acres 22.5 Guntas) including Kharab area: 1113.2 Sq.m (11 Guntas) ; Physical plot area for development is 56,555.98 Sq. m (13 Acres 39 Guntas)										
7.	Total Built up area in Sqmt	1,84,287.69 Sq m.										
8.	Configuration of the Building (No. of blocks, floors, No. of units)	Residential units- 816 units in 6 Blocks with 2 clubhouse facility <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Description</th> <th>Building Configuration</th> <th>Max Height of The Building</th> </tr> </thead> <tbody> <tr> <td>Block-1</td> <td>B + G + 17 UF</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">59.65 m</td> </tr> <tr> <td>Block-2</td> <td>B + G + 17 UF</td> </tr> <tr> <td>Block-3</td> <td>B + G + 17 UF</td> </tr> </tbody> </table>	Description	Building Configuration	Max Height of The Building	Block-1	B + G + 17 UF	59.65 m	Block-2	B + G + 17 UF	Block-3	B + G + 17 UF
Description	Building Configuration	Max Height of The Building										
Block-1	B + G + 17 UF	59.65 m										
Block-2	B + G + 17 UF											
Block-3	B + G + 17 UF											



		Block-4	B + G + 17 UF
		Block-5	2B + G + 16 UF
		Block-6	2B + G + 17 UF
		Clubhouse-1	G + 2 UF
		Clubhouse -2	G + 3 UF
9.	Land use details (Ground coverage area, park & open space etc.)	Permissible Ground Coverage area is 55%. Proposed Ground coverage area 38%. Landscape area- 19078.38Sq. m (33.74%)	
10.	Source of water & NOC from the competent authority	Source of water from BWSSB/External Tankers. (In process)	
11.	Water requirement in KLD	593KLD	
12.	Wastewater generation in KLD	534KLD	
13.	STP capacity in KLD & technology	Sewage Treatment Plant of Capacity 650KLD (2 X 325 KLD modules) (Extended aeration with ultra filtration)	
14.	Rain water harvesting implementation, Recharge pits, Storage capaci	Total Rain water harvesting sump - 492.00 Cum (1 X290cum, 1X42, 1X97 and 1 X 63cum) with 36 No's Recharge pits	
15.	Energy savings	23.17%	
16.	Parking facility provided	Total Car Parking provided is 910No's	
17.	Traffic : nearest road - LOS - Existing & modification	Approach Road (2 lanes undivided) :LOS- Existing- A; Modification - B A:Excellent ; B: Very Good	

The Proposal is placed before the committee for appraisal.

The proponent and NABET Environment consultants M/s Environmental Health & Safety Consultants Pvt Ltd., Bangalore attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting.

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

- 1) The nature of kharab and its position in the project area may be detailed and submitted.
- 2) To submit the details of existing tree species trees to be felled and the list of trees proposed to be planted.
- 3) The carbon foot print from the construction activity and operation phase to be worked out and suitable offsets to be suggested.
- 4) ECBC 2009 norms and simulation to be considered while designing building and choice of building materials.
- 5) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
- 6) Utilization of the entire terrace for solar power generation may be worked out and submitted.
- 7) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
- 8) Rain water harvesting/storage details may be worked out.
- 9) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
- 10) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.

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

**195.4** Proposed Residential Development at Sy.Nos.64/1, 64/2, 65/1, 65/2, 68/1, & 68/2, Kodathi Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru by M/s. Shreshta Infra Projects Pvt Ltd., (SEIAA 41 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Shreshta Infra Projects Private Limited, No. 10, Vittal Mallya Road, Bengaluru - 560 001.
2	Name & Location of the Project	Proposed Residential Development At Sy. Nos. 64/1, 64/2, 65/1, 65/2, 68/1 & 68/2 Kodathi Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru.
3	Co-ordinates of the Project Site	Latitude: 12° 52' 50.94" N Longitude: 77° 42' 07.79" E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest	Gattahalli Lake - 575 m from the project site

	Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	Gattahalli Lake - 575 m from the project site
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Villas
b.	Residential Township/ Area Development Projects	No
6	Plot Area (Sqm)	84,578.65 Sqmt (20 Acres 36 Guntas)
7	Built Up area (Sqm)	53,800.39 Sqmt
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	19 Blocks Villas - B+G+1UF/G+1UF EWS Units - Ground Floor
9	Number of units in case of Construction Projects	156 Nos. of villas 16 Nos. of EWS units
10	Number of Plots in case of Residential Township/ Area Development Projects	No
11	Project Cost (Rs. In Crores)	Rs. 87 Crores
12	Recreational Area in case of Residential Projects / Townships	8,462.70 Sqmt (Park & Open Space)
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	29,541.27 Sqmt (35.07%)
b.	Kharab Land	50.59 Sqmt
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	32,089.63 Sqmt
d.	Internal Roads	--
e.	Paved area	22,598.84 Sqmt
f.	Others Specify	Area left for road = 85.12 Sqmt H.T. Line Area = 213.20 Sqmt

	g.	Parks and Open space in case of Residential Township/ Area Development Projects	Included in the landscape area (8,462.70 Sqmt)
	h.	Total	84,578.65 Sqmt
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	No
	b.	Total quantity of Excavated earth (in cubic meter)	As the proposed project is a development of villas the quantity of excavation generation will be very minimal.
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	The generated entire excavated earth is proposed to re-use for back filling, for landscaping and for site formation. The excavated top soil will be stored for reusing it for landscaping.
	d.	Excess excavated earth (in cubic meter)	Nil
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	NA
15	WATER		
	I.	Construction Phase	
	a.	Source of water	Nearby project STP treated water for construction purpose and External authorized tanker for domestic purpose.
	b.	Quantity of water for Construction in KLD	21 KLD
	c.	Quantity of water for Domestic Purpose in KLD	9.0 KLD
	d.	Waste water generation in KLD	8.0 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	The sewage generated from the construction site is 8.0 KLD which will be collected in collection tank and from there it will be lifted to BWSSB sewage treatment plant through external agencies for further treatment.

II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	90 KLD
		Recycled	45 KLD
		Total	135 KLD
b.	Source of water	Kodathi Grama Panchayat	
c.	Waste water generation in KLD	115 KLD	
d.	STP capacity	120 KLD	
e.	Technology employed for Treatment	Advanced Sequential Bio- Reactor	
f.	Scheme of disposal of excess treated water if any	For Flushing - 45 KLD	
		For Landscaping - 58 KLD	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	550 Cum	
	No's of Ground water recharge pits	55 Nos.	
17	Storm water management plan	Yes	
18	WASTE MANAGEMENT		
I.	Construction Phase		
a.	Quantity of Solid waste generation and mode of Disposal as per norms	45 kg/day. Solid waste generated will be collected manually and handed over to authorized recyclers.	
II.	Operational Phase		
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	270 kg/day. Biodegradable wastes will be segregated at the source and will be processed in proposed organic waste converter.	
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	180 kg/day. Non-biodegradable Wastes will be given to the waste recyclers.	
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil Generation: 0.486 l/hr. Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.	
d.	Quantity of E waste generation and mode of Disposal as per norms	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.	
19	POWER		
a.	Total Power Requirement - Operational Phase	1,500kVA	
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500 kVA X 2 Nos.	

c.	Details of Fuel used for DG Set	209.52 l/hr			
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Solar water heater Solar lighting Cu wound transformer HF ballast LED Energy Savings: 25.0%			
20	PARKING				
a.	Parking Requirement as per norms	Required		Provided	
		378 Nos.		378 Nos.	
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Road	Existing	Scenario 1	Scenario 2
		Approach road	A	A	--
		Chikkanayakana Halli road	A	A	--
		Sarjapur main road	D	B/C	B
c.	Internal Road width (RoW)	9.14 m			

The Proponent and Environmental consultant attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting.

The committee while appraising the proposal observed from the village survey map there are no water bodies within the site area but in the survey number 68 there is a small water body adjacent to the area wherein this proposal is proposed for which the proponent has stated that he has left 75 meter buffer zone from the water body. The approach road proposed which is being the only connectivity to this parcel of land and which runs in the area earmarked for buffer zone, for which the proponent has stated that he will take the portion of the approach road which is running in the buffer zone at the elevated level leaving the buffer zone undisturbed except by putting up some columns.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.

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

195.5 Proposed "Ambitious Enclave". Residential Apartment Projects at Sy.Nos.53/1, 53/2, 54/1, 54/2, 54/3, 54/4 & 54/5 of Maragondanahalli Village, Jigani Hobli, Anekal Taluk, Bangalore District by M/s Allam Infinite India Pvt Ltd., (SEIAA 42 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1.	Name & Address of the Project Proponent	Mr. Manoj S. Mudakkayil Authorized Signatory M/s. Allam Infinite India Private Limited, No.06, G.M. Pearl, 1 <sup>st</sup> Stage, 1 <sup>st</sup> Phase, BTM Layout, Bengaluru - 560 068
2.	Name & Location of the Project	"Ambitious Enclave" Development of Residential Apartment with Club house At Sy. Nos. 53/1, 53/2, 54/1, 54/2, 54/3, 54/4 & 54/5 Of Maragondanahalli Village, Jigani Hobli, Anekal Taluk, Bengaluru
3.	Co-ordinates of the Project Site	Latitude : 12 Deg 49 Min 25.60 Sec N Longitude : 77 Deg 39 Min 26.05 Sec E
4.	ENVIRONMENTAL SENSITIVITY	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,) Thirupalya lake is around 287 m away from the project site boundary. Secondary nala is on the northern side of the project site to which 35m buffer has been left.
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable. Thirupalya lake is around 287m away from the project site boundary. Secondary nala is on the northern side of the project site to which 35m buffer has been left.
5.	TYPE OF DEVELOPMENT	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other Residential Apartment
	b.	Residential Township/ Area Development Projects NA
6.	Plot Area (Sqm)	42,958.67 Sqm
7.	Built Up area (Sqm)	2, 63,453.78 Sqm

8.	Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Proposed project comprising of 2,331 nos. of residential units with club house in 6 towers (Tower A2, A3, B1 & B2 with 3B+G+14UF, Tower A1 & C with 2B+G+14UF)	
9.	Number of units in case of Construction Projects	2,331 Nos. of Residential Units	
10.	Number of Plots in case of Residential Township/ Area Development Projects	NA	
11.	Project Cost (Rs. In Crores)	Rs. 380.54 Crores	
12.	Recreational Area in case of Residential Projects / Townships	-	
13.	DETAILS OF LAND USE (SQM)		
	a.	Ground Coverage Area	11,897.58 Sqm
	b.	Kharab Land	-
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	13,439.26 Sqm
	d.	Internal Roads & others	12,816.76 Sqm
	e.	Paved area	-
	f.	Others Specify	Kharabh area - 1,073.43 Sqm Surface parking area -3,355 Sqm Services - 376.64 Sqm
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
	h.	Total site area	42,958.67 Sqm
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	There is no demolition work
	b.	Total quantity of Excavated earth (in cubic meter)	1,35,500 m <sup>3</sup>
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	53,000 m <sup>3</sup>
	d.	Excess excavated earth (in cubic meter)	82,500 m <sup>3</sup>
	e.	Plan for scientific disposal of	Excess excavated earth is carted out from the site



	excess excavated earth along with Coordinate of the site proposed for such disposal	to Signature project for golf course formation.	
15.	WATER		
	I. Construction Phase		
a.	Source of water	The domestic water requirement will be met by external agencies and water requirement for construction purpose will be met by STP tertiary treated water.	
b.	Quantity of water for Construction in KLD	63 KLD	
c.	Quantity of water for Domestic Purpose in KLD	42 KLD	
d.	Waste water generation in KLD	40 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	Domestic sewage generated during construction phase will be lifted to BWSSB treatment plant through external agencies for further treatment.	
	II. Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	670 KLD
		Recycled	956 KLD
		Total	1,626 KLD
b.	Source of water	KUWS&DB	
c.	Waste water generation in KLD	1,545 KLD	
d.	STP capacity	STPs Capacity -1550 KLD (490 KLD - 1No, 510 KLD - 1No & 550 KLD - 1No)	
e.	Technology employed for Treatment	Sequential Batch Reactor (SBR) Technology	
f.	Scheme of disposal of excess treated water if any	Excess 383 KLD will be given to golf course lawn maintenance.	
16.	INFRASTRUCTURE FOR RAINWATER HARVESTING		
a.	Capacity of sump tank to store Roof run off	495cum (60cum-3Nos. 40cum-3Nos. 65cum-3Nos.)	
b.	No's of Ground water recharge pits	54 Nos.	
17.	Storm water management plan	Internal garland drains will be provided within the site in order to carry out the storm water into the recharge pits and will be managed within the site, excess runoff will be routed in to the external storm water drain on northern side of project site.	
18.	WASTE MANAGEMENT		
	I. Construction Phase		
a.	Quantity of Solid waste generation and mode of	The domestic solid wastes will be minimal as there is no provision of labor colony; the	

	Disposal as per norms	generated domestic solid waste will be handed over to outside vendors. Construction debris 263 m <sup>3</sup> This will be reused within the site for road and pavement formation.
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	3,567 kg/ day This will be segregated at household levels and will be processed in proposed organic waste converter.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	2,378 kg/ day Recyclable wastes will be handed over to authorized waste recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil Generation : 1.458 L/ running hour of DG Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.
d.	Quantity of E waste generation and mode of Disposal as per norms	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.
19.	POWER	
a.	Total Power Requirement - Operational Phase	8,607 kW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500kVA - 6 Nos.
c.	Details of Fuel used for DG Set	628.56 l/hr
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	1) Solar Lights & water heaters, 2) LED, 3) PHE pumps 4) Copper wound transformer. The overall energy savings is around 26.57%
20.	PARKING	
a.	Parking Requirement as per norms	2,485Nos. (provided -2510nos)
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	
c.	Internal Road width (RoW)	8m

The proposal is placed before the committee for appraisal.

The proponent and Environment consultant attended the meeting to provide additional information/clarification.

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

- 1) The nature of Kharab and its position in the project area may be detailed and submitted.
- 2) To submit the details of existing tree species trees to be felled and the list of trees proposed to be planted.
- 3) The carbon foot print from the construction activity and operation phase to be worked out and suitable offsets to be suggested.
- 4) ECBC 2009 norms and simulation to be considered while designing building and choice of building materials.
- 5) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
- 6) Utilization of the entire terrace for solar power generation may be worked out and submitted.
- 7) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
- 8) Rain water harvesting/storage details may be worked out.
- 9) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
- 10) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.

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

2:30 PM to 5:30 PM

195.6 Proposed Expansion of Residential Development Projects at Sy.Nos.146/1, 147/1, 147/2, 145/1 & 144 of Kudlu Village, Sarjapura Hobli, Harlur Road, Anekal Taluk, Bangalore District By M/s. SNN Properties LLP (SEIAA 43 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. SNN Properties LLP No 4,2nd Floor, SNN Mind's eye, Elephant Rock Road, 3rd Block, Jayanagar Bangalore-560011

2	Name & Location of the Project	Survey No.146/1,147/1,147/2,145/1 and 144 Kudlu Village, Sarjapura Hobli Harlur Road, Anekal Taluk. Bangalore
3	Co-ordinates of the Project Site	12°53'21.38"N 77°40'2.50"E
4	Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,) Hosa lake is adjacent to the property and tertiary nala is passing middle of the project site we left 25 mts buffer for proposed expansion
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable. Hosa lake is adjacent to the property and tertiary nala is passing middle of the project site we left 25 mts buffer for proposed expansion
5	Type of Development	Residential
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other Residential
	b.	Residential Township/ Area Development Projects
6	Plot Area (Sqm)	Total site area =67076.11 sqm Kharab = 4046.8 Net Site Area =63029.31
7	Built Up area (Sqm)	1,95,636.59 Sqm
8	Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	2 B+G+18 UF(3 Blocks -12 wings) is Existing and Proposed is Upper Basement Floor + Ground+18UF(One Block)
9	Number of units in case of Construction Projects	1041 units
10	Number of Plots in case of Residential Township/ Area Development Projects	NA
11	Project Cost (Rs. In Crores)	290

12	Recreational Area in case of Residential Projects / Townships	5000 sqm
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	7715.15 Sqm(12.56%)
b.	Kharab Land	NA
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	12605.8 (20.0 %)Sqm
d.	Internal Roads	
e.	Paved area	23278.2 (44.6%) Sqm
f.	Others Specify	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
h.	Total	
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	Expansion and Modification Project
b.	Total quantity of Excavated earth (in cubic meter)	20000 m3.
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter).	The proposed project consists of Basement of about 5863 sq.m. The total earth excavation is about 18000 m3 The depth of foundation for columns/pillars is 2 m below GL which result in additional earthwork excavation of about 2000 m3. Hence the total earth excavation is about 20000m3. The above about to 20,000 m3 will be used within the project site for, landscaping of gardens and road making etc. Excess is given to road contractor for road making.
d.	Excess excavated earth (in cubic meter)	NA
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	NA
15	WATER	
I.	Construction Phase	
a.	Source of water	Our existing STP nearby our project

b.	Quantity of water for Construction in KLD	100 KLD	
c.	Quantity of water for Domestic Purpose in KLD	5KLD	
d.	Waste water generation in KLD	4	
e.	Treatment facility proposed and scheme of disposal of treated water	Mobile STP	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	455
		Recycled	250
		Total	705
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	640	
d.	STP capacity	550 KLD and 150 KLD Capacity	
e.	Technology employed for Treatment	SBR	
f.	Scheme of disposal of excess treated water if any	Proposed UGD and avune plantation, construction projects	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	200 cum	
b.	No's of Ground water recharge pits	40 pits	
17	Storm water management plan	Enclosed in EMP	
18	WASTE MANAGEMENT		
I.	Construction Phase		
a.	Quantity of Solid waste generation and mode of Disposal as per norms	10 kg/day given to BBMP	
II.	Operational Phase		
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1405 kg/day converted in to mannur by using organic convertor and used for garden	
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	937 kg/day given to KSPCB authorized vendor for recycling	
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	800 to 900 lts spent oil given to KSPCB authorized vendor for recycling	
d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	200 kg/yea given to KSPCB authorized vendor for recycling	
a.	Quantity of Biodegradable waste		

	generation and mode of Disposal as per norms	
19	POWER	
a.	Total Power Requirement - Operational Phase	3000 kva
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500 KVA X 6 NOS
c.	Details of Fuel used for DG Set	Diesel
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	18 % and details is given in the time of presentation
20	PARKING	
a.	Parking Requirement as per norms	1284
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	---
c.	Internal Road width (RoW)	8 mts

The Proposal is placed before the committee for appraisal.

The Proponent and the Environmental Consultant attended the meeting to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form IA, Conceptual plan, proposed ToRs and clarification/information provided during the meeting.

The committee after discussion had decided to recommend the proposal to SEIAA for issuing ToRs to conduct the EIA studies in accordance with the EIA Notification 2006 and relevant guidelines as the total built up area is more than 1,50,000 Sqm. The committee also prescribed the following additional ToRs.

- 1) The details of Kharab land and its position in the project area may be detailed.
- 2) Treatment scheme to reduce the waste water discharge to the drain to 20%.
- 3) The comparative details of concept plan for an area of 43,199.59 sqmts for which EC is already issued and concept plan now drawn up for total area of 67076.11 sqmts may be furnished.
- 4) Compliance to earlier EC conditions may be furnished
- 5) ECBC 2009 norms and simulation to be considered while designing building and choice of building materials.

- 6) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
- 7) Utilization of the entire terrace for solar power generation may be worked out and submitted.
- 8) Rain water harvesting/storage details may be worked out.
- 9) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
- 10) To submit the Details of trees to be felled and design for development of greenery/green belt with the number and kind of tree species as per the norms.
- 11) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.

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

195.7 Proposed Commercial Building Projects at Sy.No.14/2 of Ibbalur Village, Begur Hobli, Bengaluru South Taluk, Bangalore District By M/s. VAISHNAVI INFRASTRUCTURE PVT. LTD. (SEIAA 44 CON 2018)

Sl. No.	Particulars	Information
1.	Name of the project	Proposed Commercial Building
2.	Location of the project	Sy. No. 14/2, Ibbalur Village, Begur Hobli, Bengaluru South Taluk Karnataka
3.	Land use as per CDP	Industrial high tech zone
4.	Name & Address of the project proponent	Sri. Sai Prasad P. A M/s. Vaishnavi Infrastructure Pvt. Ltd. No.2/2. Walton Road. OFF: Vittal Mallya road. Bangalore-560001
5.	New/ Expansion/Modification	New
6.	Site Area in Sqmt	16,440.13Sq.m
7.	Total Built up area in Sqmt	49,886.23 Sq m.
8.	Configuration of the Building (No. of blocks, floors, No. of units)	The Proposed Commercial Building consisting configuration of 2B + G + 10 UF with building height of 44.85 mt.
9.	Land use details (Ground coverage area, park & open space etc.)	Permissible Ground Coverage area is 50%. Proposed Ground coverage area 25.11%. Landscape area-5590 Sq.m (33.99%)
10.	Source of water & NOC from the competent authority	Source of water from BWSSB. (In process)



11.	Water requirement in KLD	190 KLD
12.	Wastewater generation in KLD	152KLD
13.	STP capacity in KLD & technology	160KLD; Sequential Batch Reactor Technology
14.	Rain water harvesting implementation, Recharge pits, Storage capacity	Total Rain water harvesting sump - 90.00-Cum with 12 No's Recharge pits
15.	Energy savings	23%
16.	Parking facility provided	Total Car Parking provided is 729No's
17.	Traffic : nearest road - LOS - Existing & modification	Approach Road (2 lanes undivided) LOS- Existing- B; Modification - B B: Very Good

The Proponent and NABET Environmental consultants M/s.Environmental Health and Safety Consultants Pvt Ltd attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting.

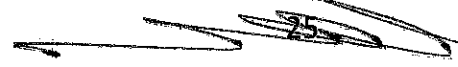
The committee while appraising the proposal observed from the village survey map that there is a lake nearly 14 meters from the northern part of the site. The proponent has stated that he has left 75 meter buffer zone from the edge of the lake spread. Also there is a cart track road connecting Agara to Bellandur village for which the proponent has stated that this road is being developed as a CDP road to a width of 12.5 meters. The building blocks are located leaving the buffer zone and land area earmarked for CDP road.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall provide KIOSKs at strategic locations for collection and storage of E-wastes generated within the premises and shall be disposed of regularly only with the KSPCB authorised E-waste recyclers.

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

195.8 Proposed Residential Apartment Projects at E. Khatha No.150200401700525012, Site No. (VP No.) 638/92/3/92/4/92/5/92/6, Sy.Nos.92/3, 92/4, 95/2 & 92/6 of Seegehalli



Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru District By Miss. M.H. Maya & Mr. Raghu Nandan M.H.( SEIAA 45 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Miss M H Maya D/o. Mr Mudakanna, Residing at No. 26, 2nd Main, Vasanthanagar, Bangalore 560052 Mr. Raghu Nandan M H S/o. Mr Mudakanna, No. 26, 2nd Main, Vasanthanagar, Bangalore 560052
2	Name & Location of the Project	Proposed Residential Apartment project by Miss M H Maya and Mr. Raghu Nandan M H, at E. Khatha No. 150200401700525012, Site No. (VP No.) 638/92/3/92/4/92/5/92/6, Sy No. 92/3, 92/4, 92/5 and 92/6 of Seegehalli Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District
3	Co-ordinates of the Project Site	Longitude: 77°45'44.89"E Latitude: 13° 0'21.38"N
4	Environmental Sensitivity	
	a. Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Chikkabanahalli lake 1.6 kms (NW) Seegehalli Pond 480 meter NW Primary Nala is at South of the site for which 50 buffer is left from the edge of the nala
	b. Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	There are no lake within 75 meter from the site boundary. Primary Nala is at South of the site for which 50 buffer is left from the edge of the nala
5	Type of Development	
	a. Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartment
	b. Residential Township/ Area Development Projects	No
6	Plot Area (Sqm)	10,420.568 sq.m.
7	Built Up area (Sqm)	26,448.54 sq.m
8	Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of	Construction of Residential Apartment project comprising of 1 Basement Floor + Ground Floor + 4 Upper Floors + Terrace Floor with total of

	Basements and Upper Floors]	343 units	
9	Number of units in case of Construction Projects	Total Number of Units is 343 Nos.	
10	Number of Plots in case of Residential Township/ Area Development Projects	-	
11	Project Cost (Rs. In Crores)	25	
12	Recreational Area in case of Residential Projects / Townships	Playground area - 250 sq.m. and Senior Citizen allocated area - 250 sq.m. Cycling track - 281 sq.m. Total recreational ground area = 781 sq.m. (7.5% of plot area); Gym and Indoor games on Ground floor: 781 sq.m.(7.5% of plot area). Total recreational area = 1562 sq.m. (15% of plot area)	
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	3,863.14 sq.m (39.58%)
	b.	Kharab Land	Nil
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	3,220.72 sq.m (33.00%)
	d.	Internal Roads	2,675.90 sq.m. (27.42%)
	e.	Paved area	-
	f.	Others Specify	Road widening - 218.99 sq.m. Portion already under Existing road - 441.26 sq.m.
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	10,774.27 sqm
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	No demolition is involved.
	b.	Total quantity of Excavated earth (in cubic meter)	30,374.73.m.
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	30,374.73 cum.
	d.	Excess excavated earth (in cubic meter)	Nil
	e.	Plan for scientific disposal of	No disposal

		excess excavated earth along with Coordinate of the site proposed for such disposal	
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	--
	II. Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh 39.654
			Recycled 77.18+122.44= 199.62
			Total 239.27
	b.	Source of water	BWSSB
	c.	Waste water generation in KLD	227.30 KLD
	d.	STP capacity	233 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	200 cu.m.
	b.	No's of Ground water recharge pits	31 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 = 0.2 kg/day 20 kg/day of waste will be generated. 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	411.60 kg/day. Biodegradable waste will be converted in organic convertor.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	274.40 kg/day. Non- Biodegradable waste will be handed over to authorized recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Nil
d.	Quantity of E waste generation and mode of Disposal as per norms	E-waste generation will be very less
19	POWER	
a.	Total Power Requirement - Operational Phase	1500 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 1500 kVA.
c.	Details of Fuel used for DG Set	HSD
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	<ul style="list-style-type: none"> <li>• Energy saved by using Solar water Heater : 100,000kWH/ Year.....(a)</li> <li>• Total SPV Power Generation in a year = 0.30 L kWh / Annum....(b)</li> <li>• Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 1.0+0.30 L KWH = 1.3 L / Annum .....(c)</li> <li>• Total energy savings from residential building = 29.68%</li> </ul>
20	PARKING	
a.	Parking Requirement as per norms	One car spacing for 2 Total units as the floor area is <50 sq.m. = 172+10% visitors Parking required is 172+18 cars Total car Parking required as per NBC= 190 Parking Provided is 213 Ecs which is as Per NBC and MoEF Norms
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	SH 35 -LOS - C
c.	Internal Road width (RoW)	6 m

The Proponent and Environmental consultant attended the meeting to provide required clarification/additional information.



The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting.

The committee while appraising the proposal observed from the village survey map that there is a primary nala on the southern side of the project site for which the proponent has stated that he has left 50 meter buffer zone as per NGT order. As per the village map, on the northern side of the project site there is a irrigation canal (kaluve) over which a road has been formed now. This is reflected in the boundaries fixed for the land during the land conversion order. Also, the sensitive zone committee of BDA has cleared this project instructing the proponent to leave 50 meter buffer zone on the southern side for the existing primary nala.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall install mobile STP/Chemical toilet instead of septic tank and soak pit during construction phase

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

195.9 Proposed development of Residential Apartment project by name "Prestige Willow Tree" at Khata No.241/51/1/52/53/54, Narasipura Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru by M/s Prestige Estates Projects Limited(SEIAA 52 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Prestige Estates Projects Limited, The Falcon House, No. 1, Main Guard Cross Road, Bengaluru-560 001.
2	Name & Location of the Project	"Prestige Willow Tree" Proposed Residential Development At Khatha No. 241/51/1/52/53/54, Narasipura Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru.
3	Co-ordinates of the Project Site	Latitude: 13°04'35.72" N Longitude: 77°33'34.67"E

4	Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,) Thindlu Lake - 200 m from the project site Narasipura Lake - 300 m from the project site
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable. Thindlu Lake - 200-m from the project site Narasipura Lake - 300 m from the project site
5	Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital / other Residential Apartment
	b.	Residential Township/ Area Development Projects No
6	Plot Area (Sqm) Documented Total Site Area - 28,693.25 Sqmt Physical Total Site Area - 27,956.774 Sqmt	
7	Built Up area (Sqm) 86,238.11 Sqmt	
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors] 3 buildings with 5 towers Building 1 (Tower 1 & Tower 2) - 2B+G+11UF Building 2 (Tower 3) - 2B+G+10UF Building 3 (Tower 4 & Tower 5) - B+G+11UF Club House - B+G+1UF	
9	Number of units in case of Construction Projects 451 Nos. of residential units and a club house	
10	Number of Plots in case of Residential Township/ Area Development Projects No	
11	Project Cost (Rs. In Crores) Rs. 170 Crores	
12	Recreational Area in case of Residential Projects / Townships 2,724.948 Sqmt (Park & Open Space)	
13	Details of Land Use (Sqm)	
	a.	Ground Coverage Area 5,801.972 Sqmt (21.29%)
	b.	Kharab Land 708.199 Sqmt
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006 On natural earth - 5,523.038 Sqmt on podium - 4,954.043 Sqmt

	d.	Internal Roads	--
	e.	Paved area	7,993.28 Sqmt
	f.	Others Specify	Civic Amenities - 1,362.429 Sqmt Surface Parking - 702.684 Sqmt Swimming Pool - 309.613 Sqmt Services & Ventilation Shafts - 601.516 Sqmt
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	Included in the landscape area (2,724.948 Sqmt)
	h.	Total	27,956.774 Sqmt
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	No
	b.	Total quantity of Excavated earth (in cubic meter)	1,20,000 Cum
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	1,02,954 Cum
	d.	Excess excavated earth (in cubic meter)	17,046 Cum
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Will be reused for levelling to the nearby project site.
15	WATER		
	I.	Construction Phase	
	a.	Source of water	Nearby project STP treated water for construction purpose and External authorized tanker for domestic purpose.
	b.	Quantity of water for Construction in KLD	31 KLD
	c.	Quantity of water for Domestic Purpose in KLD	12 KLD
	d.	Waste water generation in KLD	11 KLD



e.	Treatment facility proposed and scheme of disposal of treated water	The sewage generated from the construction site is 11 KLD which will be collected in collection tank and from there it will be lifted to BWSSB sewage treatment plant through external agencies for further treatment.	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	246 KLD
		Recycled	123 KLD
		Total	369 KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	295 KLD	
d.	STP capacity	300 KLD	
e.	Technology employed for Treatment	Sequential Batch Reactor Technology	
f.	Scheme of disposal of excess treated water if any	For Flushing - 123 KLD For Landscaping - 84 KLD Car Washing - 25 KLD Excess to BWSSB Sewer line - 53 KLD	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	180 Cum	
	No's of Ground water recharge pits	8 Nos. of Recharge Wells	
17	Storm water management plan	Yes	
18	WASTE MANAGEMENT		
I.	Construction Phase		
a.	Quantity of Solid waste generation and mode of Disposal as per norms	60 kg/day. Solid waste generated will be collected manually and handed over to authorized recyclers.	
II.	Operational Phase		
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	0.99 MT/day. Biodegradable wastes will be segregated at the source and will be processed in proposed organic waste converter.	
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	0.66 MT/day. Non-biodegradable Wastes will be given to the waste recyclers.	
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil Generation: 1.15 l/hr. Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.	
d.	Quantity of E waste generation	E-Wastes will be collected separately & it will be	

	waste generation and mode of Disposal as per norms	handed over to authorized E-waste recyclers for further processing.			
19	POWER				
a.	Total Power Requirement - Operational Phase	2,129 kW			
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	625 kVA x 3 Nos. & 500 kVA x 1 No.			
c.	Details of Fuel used for DG Set	498 l/hr			
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Solar water heater Solar lighting Cu wound transformer HF ballast LED Energy Savings: 27.0%			
20	PARKING				
a.	Parking Requirement as per norms	Required		Provided	
		492 Nos.		493 Nos.	
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Road	Existing	Changed Scenario	Modified Scenario
		8 <sup>th</sup> main Road	A	A	B
		Vidyaranyapura Road	B	B	B
c.	Internal Road width (RoW)	6.0 m			

The Proponent and Environmental consultant attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting.

The committee noted from the village survey map that there is no water body either in the form of natural nala or lakes inviting buffer zone as per NGT order.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.

3. The proponent shall double the storage capacity of the rainwater harvesting sump.

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

195.10 Proposed Office Building Projects at Plot No.19/A of Doddanekundi 2nd Stage Industrial Area in Sy.No.19 of Hoodi Village, K.R.Puram Hobli, Bangalore East Taluk, Bangalore District By M/s. Rathi & Thard Properties Pvt. Ltd. (SEIAA 46 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1	Name & address of the project proponent	M/s. Rathi & Thard Properties Pvt Ltd., # 21, Kensington Lay-out, Ulsoor, Bengaluru -560 008.
2	Name & location of the project	Development of Office Building project At plot No. 19/A, part of Sy No. 19, Hoodi village, Doddanekundi 2nd stage, K R Puram Hobli, Bangalore East Taluk, Bangalore
3	Co - ordinates of the project site	Latitude: 12° 59' 09.03" N Longitude: 77° 42' 34.21" E
4	Environmental sensitivity	
a.	Distance from periphery of the nearest lake and other water bodies (lake, rajakaluve, nala, etc.,)	Whitefield lake is at a distance of 500 m
b.	Type of water body at the vicinity of the project site and details of buffer provided as per NGT direction in O.A. 222 of 2014 dated 04.05.2016, if applicable	--
5	Type of development	
a.	New/ Expansion/Modification	New
b.	Residential apartment /Villas/ Row houses/ Vertical development / Office/ IT /ITES/ Mall/ Hotel/ Hospital/ other	Office
c.	Residential township / Area development projects	--
6	Plot area (Sqmt)	6, 372.09 sq.mt.
7	Built up area (Sqmt)	27, 531.09 sq.mt
8	Building configuration (number of blocks/ towers/ wings etc., with numbers of basement and upper floor)	2BF+GF+11UF
9	Number of units in case of construction projects	--
10	Number of plots in case of Residential	--

	township / Area development projects	
11	Project cost (Rs. In Crores)	Rs. 23.26 Crores
12	Residential area in case of residential projects/ townships	--
13	Details of land use (Sqmt)	
	a. Ground coverage area	1,522.63 Sqmt
	b. Kharab land	--
	c. Total green belt on mother earth for projects under 8(a) of the schedule of the EIA notification, 2006	1,998.45 Sqmt
	d. Internal roads	2,850.71 Sqmt
	e. Paved area	
	f. Other specify	--
	g. Parks & open space in case of residential township/ area development projects	--
	h. Total	6,372.09 Sqmt
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	300 cum
	b. Total quantity of excavated earth	9,138 cum
	c. Quantity of excavated earth propose to be used in the project site (in cubic meter)	9,138 cum
	d. Excess excavated earth (in cubic meter)	--
	e. Plan for scientific disposal of excess excavated earth along with co-ordinate of the site proposed for such disposal	--
15	WATER	
	I. Construction phase	
	a. Source of water	Sourced through tankers via external agencies
	b. Quantity of water for construction in KLD	10
	c. Quantity of water for domestic purpose in KLD	2.7
	d. Wastewater generation in KLD	2.2
	e. Treatment facility proposed and scheme of disposal of treated water	The total domestic wastewater generated during construction phase will be collected in Septic tank and lifted to BWSSB STP
	II. Operation phase	
	a. Total requirement of water in KLD	84
	b. Source of water	BWSSB
	c. Waste water generation in KLD	67

	d.	STP capacity	90
	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 the roof runoff	25 cum
	b.	No's of ground water recharge pits	10
17	Storm water management plan		Total 25 m <sup>3</sup> roof top water collection sump will be provided for the project 10 Nos. of recharge pits have been provided to recharge the ground water within the site. Excess runoff water will be routed to the external storm water drain in worst rainfall
18	WASTE MANAGEMENT		
	I.	Construction phase	
	a.	Quantity of solid waste generation and mode disposal as per norms	Total solid waste generation will be 4 kg /day; which will be disposed by contractor
	II	Operational phase	
	a.	Quantity of biodegradable waste generation and mode of disposal as per norms	210 kg /day; which will be processed in proposed organic waste converter.
	b.	Quantity of non-biodegradable waste generation and mode of disposal as per norms	70 kg/day; which will be handed over to the recyclers.
	c.	Quantity of hazardous waste generation and mode of disposal as per norms	--
	d.	Quantity of E- waste generation and mode of disposal as per norms	--
19	POWER		
	a.	Total power requirement -operational phase	2,000 KVA
	b.	Numbers of DG set and capacity in KVA for standby power supply	1000 KVA X 2 Nos.
	c.	Details of fuel used for DG set	210 liters/hr of diesel
	d.	Energy conservation plan and percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total energy savings will be 21.5%.
20	PARKING		
	a.	Parking requirement as per norms	Required - 385 Nos. Provided - 385 Nos.
	b.	Level of service (LOS) of the connecting roads as per the traffic study report	--

c.	Internal road width (RoW)	--
21	Any other information specific to the project (specify)	--

The Proponent and Environmental consultant attended the meeting to provide required clarification/additional information.

The committee noted that as per the village survey map there are no water bodies observed either in the form of natural nala or lakes which invites buffer zone as per NGT order.

The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
4. The proponent shall provide KIOSKs at strategic locations for collection and storage of E-wastes generated within the premises and shall be disposed of regularly only with the KSPCB authorised E-waste recyclers.
3. The proponent shall increase the storage capacity of the rain harvesting sump to 90 cum.
4. The proponent shall install Mobile STP instead of septic tank during construction phase.

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

195.11 Proposed Residential Building Projects at Sy.Nos.77/1, 77/4 & 77/5 (Old Sy.No.77/2) of Choodasandra Village, Sarjapura Hobli, Anekal Taluk, Bangalore District By M/s. G.R.CONSTRUCTIONS (SEIAA 47 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1.	Name & Address of the Project Proponent	Mr. R. M. Eshwar Naidu Partner M/s. G. R. Constructions, No. 161/A, 7 <sup>th</sup> cross, Teachers colony, 1 <sup>st</sup> stage, Kumaraswamy Layout,

		Bengaluru - 560 078
2.	Name & Location of the Project	"Development of Row houses and a Clubhouse" Sy. No.77/1, 77/4 & 77/5 (Old Sy.No.77/2), Choodasandra Village, Sarjapura Hobli, Anekal Taluk, Bengaluru.
3.	Co-ordinates of the Project Site	Latitude : 12 Deg 53Min 26.03 Sec N Longitude : 77 Deg 40 Min 37.81 Sec E
4.	ENVIRONMENTAL SENSITIVITY	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.)	--
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	--
5.	TYPE OF DEVELOPMENT	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Row houses
b.	Residential Township/ Area Development Projects	NA
6.	Plot Area (Sqm)	11,963.72 Sqm
7.	Built Up area (Sqm)	23,016.99 Sqm
8.	Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Proposed project is coming up with 75 Nos. of row houses and a clubhouse which is sprawled across GF+3UF and GF+4UF respectively.
9.	Number of units in case of Construction Projects	75 Nos. of Residential Units
10.	Number of Plots in case of Residential Township/ Area Development Projects	NA
11.	Project Cost (Rs. In Crores)	Rs. 30 Crores
12.	Recreational Area in case of Residential Projects /	-

	Townships	
13.	DETAILS OF LAND USE (SQM)	
a.	Ground Coverage Area	5,561.63 Sqm
b.	Kharab Land	-
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	4,186.83 Sqm
d.	Internal Roads	2,012.92 Sqm
e.	Paved area	-
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
h.	Total	11,963.72 Sqm
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	There is no demolition work
b.	Total quantity of Excavated earth (in cubic meter)	6,674 m <sup>3</sup>
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	6,674 m <sup>3</sup>
d.	Excess excavated earth (in cubic meter)	-
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Excavated soil is used within the project site
15.	WATER	
I.	Construction Phase	
a.	Source of water	Tertiary treated water for construction & External Tanker water suppliers for domestic use.
b.	Quantity of water for Construction in KLD	12 KLD
c.	Quantity of water for Domestic Purpose in KLD	3 KLD
d.	Waste water generation in KLD	2.8 KLD
e.	Treatment facility proposed and scheme of disposal of treated	Domestic sewage generated during construction phase will be lifted to BWSSB sewage treatment



	water	plant through external agencies for further treatment.
II.	Operational Phase	
a.	Total Requirement of Water in KLD	Fresh 21 KLD
		Recycled 18 KLD
		Miscellaneous 13 KLD
		Total 52 KLD
b.	Source of water	Shanthipura Gram Panchayath
c.	Waste water generation in KLD	49 KLD
d.	STP capacity	50 KLD
e.	Technology employed for Treatment	Sequential Batch Reactor (SBR) Technology
f.	Scheme of disposal of excess treated water if any	There is no excess treated water
16.	INFRASTRUCTURE FOR RAINWATER HARVESTING	
a.	Capacity of sump tank to store Roof run off	225 m <sup>3</sup>
b.	No's of Ground water recharge pits	25 Nos.
17.	Storm water management plan	Internal garland drains will be provided within the site in order to carry out the storm water into the recharge pits and will be managed within the site, excess runoff will be routed in to the external storm water drain.
18.	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	The domestic solid wastes will be minimal as there is no provision of labor colony; the generated domestic solid waste will be handed over to outside vendors. Construction debris -24 m <sup>3</sup> This will be reused within the site for road and pavement formation
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	117 kg/day This will be segregated at household levels and will be processed in proposed organic waste converter.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	77 kg/day Recyclable wastes will be handed over to authorized waste recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil Generation : 0.1215 L/ running hour of DG Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the

		authorized hazardous waste recyclers.
d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.
19.	POWER	
a.	Total Power Requirement - Operational Phase	661 kW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	125 kVA - 2 Nos.
c.	Details of Fuel used for DG Set	52.38 L/hr
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	1) Solar Lights, 2) LED, 3) Solar water heaters, 4) Copper wound transformer. The overall energy savings is around 25%
20.	PARKING	
a.	Parking Requirement as per norms	187 Nos.
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Approach Road "A"
c.	Internal Road width (RoW)	9.15 m (ROW)

The Proponent and Environmental consultant attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting.

The committee while appraising the proposal observed from the village survey map that there are no water bodies observed either in the form of natural nala or lakes which invites buffer zone as per the NGT order.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.

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

195.12 Proposed Residential Development Projects at Sy.Nos.14/1(P), 14/2(P), 15/1(P), 15/2, 15/3, 15/4, 15/5(P), 16/2(P), 61/1(P) and 61/3 of Srirampura Village, Yelahanka Hobli, Bengaluru North (Additional) Taluk, Bengaluru District By M/s. APG Imperial Homes Pvt. Ltd. (SEIAA 48 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. APG Imperial Homes Pvt. Ltd. Represented by Thiruppathi S, Authorized Signatory, 2/1, Embassy Icon Annex, 2nd Floor, Infantry Road, Bengaluru - 560001
2	Name & Location of the Project	Assetz Imperial Homes, Survey Nos. 14/1(P), 14/2 (P), 15/1(P), 15/2, 15/3, 15/4, 15/5(P), 16/2(P), 61/1(P) and 61/3, Srirampura Village, Yelahanka Hobli, Bengaluru North (Additional), Bengaluru
3	Co-ordinates of the Project Site	13° 4'14.68"N 77°36'50.57"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.)	Srirampura Lake is abutting the project Site.
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	Srirampura Lake is abutting the project Site. 75m Buffer from the edge of lake is proposed as per Honourable NGT Order O.A 222 of 2014 dated 04.05.2016
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential - 289 Dwelling Units
b.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)	4 Acres 31 Guntas (19,222.38Sq.m)
7	Built Up area (Sqm)	61,376.25Sq.m
8	Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of	7 Wings Wings 1 to Wing 6 comprise of 1 Basement Floor + Ground Floor and 13 Upper Floors and wing 7

	Basements and Upper Floors]	comprises of 1 Basements + Ground Floor + 2 Upper Floors + Terrace Floor.
9	Number of units in case of Construction Projects	289 Dwelling Units
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	60 Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	5,774.38Sq.m
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	6,410Sq.m
d.	Internal Roads	5,278.5Sq.m
e.	Paved area	1,759.5 Sq.m
f.	Others Specify	--
g.	Parks and Open space in case of Residential Township/ Area Development Projects	Not Applicable
h.	Total	19,222.38Sq.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	Not Applicable
b.	Total quantity of Excavated earth (in cubic meter)	17,500 Sq.m
c.	Quantity of Excavated earth proposed to be used in the Project site (in cubic meter)	17,500 Sq.m
d.	Excess excavated earth (in cubic meter)	Nil
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Not Applicable

15	WATER	
	I. Construction Phase	
a.	Source of water	Treated water from nearby Projects
b.	Quantity of water for Construction in KLD	10KLD
c.	Quantity of water for Domestic Purpose in KLD	20KLD
d.	Waste water generation in KLD	17KLD
e.	Treatment facility proposed and scheme of disposal of treated water	Septic Tank and BWSSB Sewer
	II. Operational Phase	
a.	Total Requirement of Water in KLD	Fresh 127KLD
		Recycled 63KLD
		Total 190KLD
b.	Source of water	BWSSB, Rooftop rainwater & Treated Water
c.	Waste water generation in KLD	170KLD
d.	STP capacity	170KLD x 1No.
e.	Technology employed for Treatment	Sequencing Batch Reactor Technology
f.	Scheme of disposal of excess treated water if any	Treated water will be used for toilet flushing, landscaping, etc.
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	1 no. of 75 cu.m capacity Rooftop Rainwater Harvesting Sump
b.	No's of Ground water recharge pits	10 Nos.
17	Storm Water Management plan	16 recharge pits of 2m Diameter & 3m Depth are proposed along the internal storm water drain. Quantity of Rooftop Rain water - 94cu.m Storm Water Drain of size 0.4m x 0.4m along the boundary of the project site
18	WASTE MANAGEMENT	
	I. Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	20kg/day of solid waste shall be disposed through BBMP waste management contractors
	II. Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	353kg/day Organic Waste Converter
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	282kg/day Local Authorized Recyclers
c.	Quantity of Hazardous Waste	150 kg/ annum

	generation and mode of Disposal as per norms	Authorized Agencies
d.	Quantity of E waste generation and mode of Disposal as per norms	20 kg/annum Authorized Agencies
19	POWER	
a.	Total Power Requirement - Operational Phase	2157KW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500KVA x 1No. + 400KVA x 1No. + 320KVA x 1No.
c.	Details of Fuel used for DG Set	Low Sulphur High Speed Diesel (HSD) with Sulphur content less than 50ppm
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	<ul style="list-style-type: none"> <li>a. Timer based External Lights</li> <li>b. Solar lighting (Street and Landscape)</li> <li>c. BEE Star rated electromechanical systems shall be used in the development</li> <li>d. Solar Water Heating systems for top 2 floor</li> <li>e. Use of Copper wound transformer</li> <li>f. Use of HF ballast for lighting</li> <li>g. Use of LED light fittings</li> <li>h. Building Orientation</li> </ul> Total Savings - 8.64%
20	PARKING	
a.	Parking Requirement as per norms	356 Nos.
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Jakkur Main Road - B National Highway -7 - B
c.	Internal Road width (RoW)	8m

The Proponent and Environmental consultant attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting.

The committee while appraising the proposal observed from the village surveymap that there are no water bodies within the project site either in the form of lakes or natural nals. However, there is a lake adjacent to this survey number belonging to Jakkur village survey limits for which the proponent has stated that he has left 75 meter buffer zone as per NGT order. The proponent has stated that there was 3 guntas of A-kharab land for which he has got it conveyed in his name from the revenue

authorities. As per the village survey map the existence of footpath was seen, but no kharab land has been reflected for this purpose in the revenue records. However, the proponent has stated that he will maintain this footpath and keep open to the public use.

In the RMP 2015, it is shown that a gas pipeline is running across the project area. The proponent has stated that the gas pipeline is running in the road margin of Jakkur main road and not in the project site and he has also stated that this is a mismatch between the actual location of the pipeline and the alignment of pipeline shown in the RMP.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall install mobile STP instead of septic tank during construction phase.
4. The proponent shall submit the treatment scheme to reduce the waste water discharge to the drain to 20% of the fresh water demand.

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

**195.13 Proposed Residential Building Projects at Sy.Nos.58/3A, 3A1 (P1, P2, P3, P4, P5, P6), 58/3A, 3B, 58/3A, 3A2, 58/3A2, 90/5, 90/6P, 91/1 P1, 91/1P2, 276/1P1, 276/1P2, 90/3P1, 90/3P2, 90/3P4 of Kadri Village, Mangalore Taluk, Dakshina Kannada District By M/s. MARIAN PROJECTS PVT. LTD. (SEIAA 49 CON 2018)**

1.	Name & Address of the project	M/s. MARIAN PROJECTS PVT. LTD. at Sy.Nos.58/3A, 3A1 (P1, P2, P3, P4, P5, P6), 58/3A, 3B, 58/3A, 3A2, 58/3A2, 90/5, 90/6P, 91/1 P1, 91/1P2, 276/1P1, 276/1P2, 90/3P1, 90/3P2, 90/3P4 of Kadri Village, Mangalore Taluk, Dakshina Kannada District .
2.	Plot Area	Existing: 10,481.21 Sqm Additional land purchased: 5,953.67 Sqm Total: 16,434.88 sqm
3.	Total Built-up area	Existing:44,714.77 Sqm Proposed:57,242.57 sqm After expansion: 1,01,957.34 sqm

4.	Building Configuration and Number of Units	Residential: 7B+GF+23UF Commercial:2B+GF+Mezanine floor+13UF Villas-G+1UF-12 Nos. Residential : 305 Nos of units (existing+proposed)	
5.	Height of the building	--	
6.	Land use as per CDP		
7.	Land use details	Ground coverage area	5059.85 sqm
		Landscape	5134.88 sqm
8.	Car Parking	224 Nos. for commercial & 384 Nos. for residential.	
9.	Source of Power		
	Power requirement	Construction Phase	DG sets
		Operational Phase	MESCOM-2500 Kva .
10.	Backup DG sets	2X 250 Kva+ 3X 180 Kva	
11.	Energy savings	18%	
12.	Source of water	Construction Phase	Existing open well
		Operational Phase	Mangalore city corporation
13.			
14.	Total water requirement	Construction Phase	85 KLD
15.		Operational Phase	313KLD
16.	Wastewater generation in KLD	248KLD	
17.	STP capacity in KLD & technology	250 KLD, SBR Technology.	
18.	Rain water harvesting implementation, Recharge pits, Storage capacity	Recharge pits of 125 Nos.& 215 cum sump	
19.	Traffic : nearest road - LOS - Existing & modification		
	--		
20.	Solid waste disposal details	412 Kg/day biodegradable waste will be processed in organic waste converter & 165 Kg/day non biodegradable waste to be given to the waste recyclers.	
21.	Cost of the Project	Rs. 30 Crores	

The proponent was invited for the meeting to provide required clarification. The proponent remained absent.



The Committee decided to defer the subject providing one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again.

**Action** Secretary, SEAC to put up the proposal before SEAC in subsequent meetings.

28<sup>th</sup> March 2018  
10:30 AM to 1:30 PM

**Members present in the meeting:**

Shri. N. Naganna	-	Chairman
Shri. B. Chikkappaiah, IFS(R)	-	Member
Dr. N. Krishnamurthy	-	Member
Shri M. Srinivasa	-	Member
Shri G.T Chandrashekharappa	-	Member
Dr. Vinodkumar C.S	-	Member
Shri. Vyshak V. Anand	-	Member
Shri. J.G. Kaveriappa	-	Member
Shri. D. Raju	-	Member
Shri. Vijaya Kumar, IFS	-	Secretary

**EIA Appraisal:**

195.14 Expansion of Residential Apartment Project at Sy.Nos55/5 & 55/7 of Hongasandra Village, Begur Hobli, Hosur Main Road, Bangalore South Taluk, Bangalore District By M/s Puravankara Limited(SEIAA 52 CON 2017)

**Name of Applicant:** - M/s. Puravankara Projects Ltd.,

**Environmental Consultant:** Smt. Pooja Raslana (Obtained stay from the Hon'ble High Court of Karnataka)

M/s. Puravankara Projects Ltd., have applied for Environmental clearance from SEIAA for their expansion residential apartment project at Sy No. 55/5 & 55/7 of Hongasandra Village, Begur Hobli, Hosur main road Bangalore South Taluk, Bangalore District under 8(a) of schedule EIA Notification - 2006 under category B.

Summary of the project site:

Description	As per earlier EC		Proposed expansion	
	Area in Sqm	Area in %	Area in Sqm	Area in %
Total plot area	31848.49	100	31848.49	100
Built up area	138014.64		160051.19	
Building coverage area	5094.59	15.99	6403.7	20.11
Drive ways	9745.78	30.60	8946.44	28.09

Open space/park	3184.85	10	3184.85	10
On podium	4944.69	15.52	4510	13.03
On true land	6375.00	20.02	6092	19.13
Total	14504.54	45.54	13428.8	42.16
Services	214.56	0.67	714.55	2.24
Ventilation duct	55.6	0.17	55.6	0.17
No. of flats proposed	815		984	
Total number of floors	2B+G+19UF		2B+G+19UF	
Maximum height of the building	59.90		59.90	

- 1. Excavated Earth Management:** - Soil excavation is not required in expansion. Construction debris is completely used for backfilling, retaining wall sides, and formation of ground level.
- 2. Water Requirement:** Total water requirement is 684 KLD (Fresh water 521.5 KLD + recycled water is 162.3 KLD). The source of water is BWSSB.
- 3. Wastewater Management:** - The total quantity of waste water generated is 615 KLD (considered 90% as waste water generation) and treated in proposed STP with design capacity of 650 KLD adopting SBR Technology.
- 4. Solid Waste Management:** Total waste generated in the project is 1967.4 kg/day where biodegradable is 1180.8 kg/day and 787.2 kg/day is non-biodegradable which will be segregated and will be handover to Municipal Authorities. Sludge of 61.5 kg/day will be used as manure for gardening.
- 5. Energy Requirement:** Total power requirement of 1119 KVA is sourced from BESCO; Backup power proposed is by DG set of 1x750 KVA.
- 6. Traffic Details:** Car parking provided is 1061 Nos against the required is 1059 Nos.
- 7. Rain water harvesting details:** It is proposed to collect rain water from the roof top in a sump. 26 Nos percolation pits are also proposed for recharge of Ground water.

The proposal is placed before the committee for appraisal.

The Proponent and Environmental Consultant attended the meeting of SEAC to provide clarification/additional information.

The committee screened the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, proposed ToRs and clarification/additional information provided during the meeting.

The committee considered the proposal as B1 as the built up area is more than 1,50,000 Sqm and had decided to recommend the proposal to SEIAA for issue of standard ToRs and following additional ToRs to conduct the EIA studies in accordance

with the EIA Notification and relevant guidelines. The proponent requested the committee to consider the February, March and April data for EIA preparation for which the committee has not accepted.

- 1) Nala details, Kharab land details if any and its position (supporting RTC document to be submitted) and implications on the proposed project site to be explained with respect to NGT order OA 222/2014 dated 04.05.2016.
- 2) Village map duly marking the project site along with adjacent village maps if the project site is bounded by other villages.
- 3) Quantification of the terrace area available for harnessing solar energy and an appropriate plan thereof with due calculations.
- 4) Scheme for providing dual fuel generators for backup power with provision for CNG.
- 5) Scheme for utilization of entire Rain Water harvested in the project site (both from the roof top and from the surface runoff) within the Project premises only.
- 6) Details of excavated earth and plan of its utilization within the project site
- 7) Hydrological study of the area influencing the surface water flow considering the micro watershed network of the region.

Accordingly the ToRs were issued on 28<sup>th</sup> April 2017.

The proponent has submitted the EIA report vide letter dated 3-3-2018 received on 12-3-2018.

1	Name & location details of the project with a) coloured google map b) enlarged CDP map c) contour map with RLs d) dated site photographs	Sy No. 55/5 & 55/7 of Hongasandra Village, Begur Hobli, Hosur Main Road Bangalore South Taluk, Bangalore District.
2	Name of the project proponent & address	M/s. Puravankara Ltd., No. 130/1, Ulsoor Road Bangalore- 42.
3	Name of the consultant	M/s. Seamak Hi-Tech Products
4	Land use plan, previous land use & land conversion details	Undeveloped land is being converted into residential purpose. Land documents enclosed
5	Particulars of sensitive areas & water bodies with distance from the property	Garebhavipalya Lake (550 mtr)
6	New/Expansion/modernization	Expansion
7	Status of organization	Limited

8	Documents submitted(mandatory:	Form I Form 1A EMP report			
9	Building & construction project Township & area development project Other (specify)	Total No of Unit's	Building configurat ion	Total Plot Area (in Sqm)	Total built up area
		169 No's	2B + G + 19	-	22036.50S qm
10	Height of the building ( in mtr) Existing road width in front of the project site (in mtr) Distance to the nearest fire station (in km)	59.90 mtr 60 mtr 7.5Km (BG Road)			
11	Project cost in Rs.(in crores)	50			
12	Land records/particulars submitted	Yes			
13	Details of source of water	Construction Phase : Recycled water from BWSSB Operation Phase :BWSSB + Recycled Water			
14	If the source of water is other than BWSSB, is scientific assessment report along with impact on competitive users enclosed? Does the project come under grey area? If so status of CGWA permission.	STP report along with Flow sheet is enclosed. The project doesn't come under grey area			
15	Water requirement (KLD) along with water balance chart	Fresh water requirement :89.5KLD Recycled : 28 KLD			
16	Submitted NOC from competent authority for water supply	Yes			
17	Laborers details				
	Location of the laborer camp				
	No of laborers	100			
	No of toilets provided for them	10			
	Method of waste water/Sewage disposal	10KLD Mobile STP			
	Size of Septic tank & soak pit	10KLD Mobile STP			
	Solid waste generated by labourers camp (KG/day) and	Given to corporation			

	its disposal plan			
18	Excavated Earth: Quantity (in Cum) & its disposal plan	Used for landscaping & road leveling		
19	If disposed off in other's property, agreement for the same	NA		
20	Construction debries	0.2 cum/day		
21	Size of STP (KLD) & technology adopted with flow diagram	Existing 650KLD STP with SBR technology		
22	Disposal of excess treated waste water Is sewer line existing? If not, give the plan for disposal	Yes		
23	Solid waste generated	Type	Quantity (in Cum)	Mode of disposal
		for total project		
		Organic converter	1180.8	Organic
		Inorganic	787.2	Recycling
	Hazardous waste generated	Type	Quantity (in cum)	Mode of disposal
		NA	-	-
		NA	-	-
25	Rain water harvesting proposed with details of recharge pit & collection sump	Yes. 26 Recharge pits of 1.2m dia (with depth of 3.5 mts)		
26	Power Requirement (in KVA) with source	3500KVA from BESCO		
27	DG sets details with number & capacity	750 KVA x 4 no, 500 KVA x 1 no,		
28	Energy conservation devises proposed in the project & savings in percentage.	Solar lighting & water heater, HF ballast, CU wound transformer etc % saving energy = 20.52		
29	Landscape plan proposed (in Sqm & percentage)	13428.8Sqm (42.16%)		
	On natural earth:	6092.99 (19.13%)		
	On Podium:	4510 (13.03%)		
	N of trees cut & retained:			

	List of tree species proposed ( with empasis on local & fruit.flower bearing species & number	
30	Parking facilities provided: Cars Two Wheelers	1061 Car parking space
31	Traffic Study details with dated peak hour traffic density photographs:	-
32	Status of Construction	Not started
33	Legal issues pending(if any)	No
34	Conceptual plan of your project to be submitted	EIA report enclosed
35	Any novel green building concept adopted?	Use of sustainable materials in construction, use of native plants thus survive without extra watering, rain garden that help to reduce storm water runoff, insulated glass windows that reduce energy, dual plumbing system,low VOC paints,energy efficient lighting and Use of organic converter for composting.

The Proponent and Environment Consultant attended the meeting to present the EIA report and to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Prefeasibility report, EIA report and clarification/additional information provided during the meeting. The committee made the following observations:

The committee noted from the village survey map that there are no water bodies either in the project site or in the vicinity of the site which attracts buffer zone as per NGT order.

The proposal is for the expansion of the project for which EC has already been issued in the year 2014. The earlier E.C includes basement floors which is non FAR area for all blocks including this new proposal block. The proponent is now putting up this block as he has been allotted additional FAR due to its proximity to metro station.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall provide KIOSKs at strategic locations for collection and storage of E-wastes generated within the premises and shall be disposed of regularly only with the KSPCB authorised E-waste recyclers.
4. To submit treatment scheme to reduce waste water disposal to less than the 20% of the total fresh water demand.
5. To conduct the comparative analysis of the baseline data collected during 2014 and 2017.
6. To provide the details of point recharge of the existing borewells.
7. Additional 75 native trees in addition to already proposed 325 trees to be planted.

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

**Recalled Subjects:**

**195.15** Expansion of Quartz Mine Project at Sy.No.13 of Hirekasanakandi Village, Koppal Taluk & Koppal District (M.L No.2349) (20-0 Acres) of M/s. Saranabasaveshwara Mining Company (SEIAA 52 MIN 2017)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Basavanagouda Patil M/s. Saranabasaveshwara Mining Company 1/A, 29th ward, 2nd Cross, M.J.Nagar, Near Citi Hospital, Hospet- 583201, District : Bellary, Karnataka state Ph No. : +91 9901614447, +91 9448425320
2	Name & Location of the Project	"Hirekasanakandi Quartz Mine" (M.L. No.2349) The quarry is located in the hirekasankandi village at about 2.0 Km.
3	Co-ordinates of the Project Site	Latitude: N 15° 18' 57.79 to N15° 19' 09.78" Longitude: E 76° 16' 01.43 to E76° 16' 22.43"
4	Type of Mineral	Quartz
5	New / Expansion / Modification / Renewal	Existing Mine

6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt. Revenue Land
7	Whether the project site fall within ESZ/ESA	NO
8	Area in Ha	8.09
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed	NA
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	Max. 400021 tonnes/ Annum
12	Quantity of Topsoil/Over burden in cubic meter	Max. 129566 m3 per annum
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Max. 10000m3 (mineral rejects)
14	Project Cost (Rs. In Crores)	2.60
15	Environmental Sensitivity	
	a. Nearest Forest	Forest land is located in buffer zone area.
	b. Nearest Human Habitation	The nearest village Herekasankandi is at a distance of 1.0 km.
	c. Educational Institutes, Hospital	Koppal is nearest town with all community facilities like schools, hospitals, places of worship etc. are located at a distance of 18 km from the lease.
	d. Water Bodies	The Tungabhadra river back water is at distance of 4.50 kms.
	e. Other Specify	-
16	Applicability of General Condition of the EIA Notification, 2006	-
17	Details of Land Use in Ha	
	a. Area for Mining/ Quarrying	4.60
	b. Waste Dumping Area	2.54
	c. Top Soil Storage Area	-
	d. Mineral Storage Area	-
	e. Infrastructure Area	-
	f. Road Area	-
	g. Green Belt Area	0.95
	h. Unexplored area	-
	i. Others Specify	-
18	Method of Mining/ Quarrying	Mechanised mining methods
19	Water Requirement	



	a.	Source of water	Drinking & Domestic Purpose	
	b.	Total Requirement of Water in KLD	Dust Suppuration	20
			Domestic	5
			Other	5
			Total	30
20		Storm water management plan		

The proponent has obtained Environmental Clearance from SEIAA vide letter No. SEIAA 2 MIN 2012 dated 13th March 2013 for their expansion of Quartz mine for the production of 1,80,000 TPA. Now the proponent has proposed to increasing the production quantity from 1,80,000 TPA to 4,00,021 TPA.

The Project proponent and Environment Consultant attended the 185th SEAC meeting held on 24th October 2017 to provide required information/clarification.

The committee made the following observations during the presentation:

- 1) Mining audit report is not submitted.
- 2) Compliance to the earlier EC conditions are not submitted.
- 3) In the land use plan it is observed that out of 8.09 Ha of mining area, 1.70 Ha is reserved for mining as per the earlier EC, whereas the present land use for mining area is 1.87 ha. which needs to be clarified.

The committee therefore decided to recall the proponent providing one more opportunity to present the proposal after submission of the compliance/clarifications to the above observations.

The proponent was invited for the meeting to provide required clarification/additional information. But the proponent remained absent and the consultant who attended the meeting requested the committee to postpone the appraisal as the proponent has fallen ill suddenly.

The committee accepted the same and decided to recall by providing one more opportunity to present the proposal.

**Action** Secretary, SEAC to put up the proposal before SEAC in subsequent meetings.

195.16 Building Stone Quarry Project at Sy.No.240 of Kalingeri Village, Sandur Taluk, Ballari District (4-0 Acres) (Q.L. No.515/2015-16) of Sri K. Bhaskar Kumar (SEIAA 53 MIN 2017)

Sl. No	PARTICULARS	INFORMATION
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1	Name & Address of the Project Proponent	<b>Sri K. Bhaskar Kumar</b> S/o K. Koteswara Rao, No. 1G/2B/112, Opp: Govt. Hospital, 1st Ward, Hiremath Colony, Bapuji Nagar, KUDLIGI Ballari Dist, Karnataka.
2	Name & Location of the Project	<b>Building Stone (Granitic gneisses) Quarry of Sri. K. Bhaskar Kumar</b> The quarry is located in the Kalingeri village at about 3 Km.
3	Co-ordinates of the Project Site	Latitude : N 14°58'17.6" to N 14°58'24.3" Longitude: E 76°29'26.6" to E 76°29'29.9"
4	Type of Mineral	Granite (Building stone)
5	New / Expansion / Modification / Renewal	Existing Quarry
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt Revenue area
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	1.619
9	Actual Depth of sand in the lease area in case of River sand	-
10	Depth of Sand proposed to be removed	-
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	150,085 tonnes/ annum
12	Quantity of Topsoil/Over burden in cubic meter	-
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	-
14	Project Cost (Rs. In Crores)	0.55
15	Environmental Sensitivity	
	a. Nearest Forest	Somalapura reserved forest is located at a distance of 4.0 kms.
	b. Nearest Human Habitation	Devarmallpura - 4.5 kms
	c. Educational Institutes, Hospital	Primary Schools are located at Kalingeri village. The hospitals, colleges, places of worship community facilities etc., are located

			at Sandur town which is at a distance of 23 kms by road from the lease area.	
	d.	Water Bodies	The Hirehalukere is at a distance of 3.5 kms	
	e.	Other Specify	-	
16	Applicability of General Condition of the EIA Notification, 2006		No	
17	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	1.247	
	b.	Waste Dumping Area	-	
	c.	Top Soil Storage Area	-	
	d.	Mineral Storage Area	0.372	
	e.	Infrastructure Area	-	
	f.	Road Area	-	
	g.	Green Belt Area	-	
	h.	Unexplored area	-	
	i.	Others Specify	-	
18	Method of Mining/ Quarrying		Mechanised mining methods	
19	Water Requirement			
	a.	Source of water	Drinking & Domestic Purpose	
	b.	Total Requirement of Water in KLD	Dust Suppuration	21
			Domestic	1
			Other	2
			Total	24
20	Storm water management plan		-	

The proponent has obtained Environmental Clearance from SEIAA vide letter No. SEIAA 245 MIN 2013 dated 23.04.2015 for their building stone mining for the production of 33,000 TPA (max). Now the proponent has proposed to increasing the production quantity from 33,000 TPA (max) to 1,50,085 TPA.

The Project proponent and Environment Consultant attended the 185th SEAC meeting held on 24th October 2017 to provide required information/clarification.

The committee while examining the compliances to the conditions of earlier E.C observed that there are non compliances to most of the conditions of the earlier EC.

The committee therefore decided to recall the proponent by providing one more opportunity to present the proposal after submission of the full compliance to the EC conditions.

The proponent was invited for the meeting to provide required clarification and additional information.

The proponent requested for some more time to comply with the earlier E.C conditions. Hence the committee decided to give one more opportunity and decided to recall after complying with the EC conditions.

**Action** Secretary, SEAC to put up the proposal before SEAC in subsequent meetings.

195.17 Building Stone Quarry Project at Sy.No.240 of Kalingeri Village, Sandur Taluk, Ballari District (3-0 Acres) (Q.L. No.516/2015-16) of Sri K. Rajesh (SEIAA 54 MIN 2017)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri K. Rajesh S/o K. Koteswara Rao, No. 1G/2B/112, Opp: Govt Hospital, 1st Ward, Hiremath Colony, Bapuji Nagar, KUDLIGI Ballari Dist, Karnataka.
2	Name & Location of the Project	Building Stone (Granitic gneisses) Quarry of Sri. K. Rajesh Quarry area is located at 4kms from Bandri Village towards Kalingeri village.
3	Co-ordinates of the Project Site	Latitude : N 14 <sup>0</sup> 58'08.9" to N 14 <sup>0</sup> 58'14.2" Longitude: E 76 <sup>0</sup> 29'30.4" to E 76 <sup>0</sup> 29'33.7"
4	Type of Mineral	Granite (Building stone)
5	New / Expansion / Modification / Renewal	Existing Quarry
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt Revenue area
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	1.214
9	Actual Depth of sand in the lease area in case of River sand	-
10	Depth of Sand proposed to be removed	-
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	150,000 tonnes/ Annum

12	Quantity of Topsoil/Over burden in cubic meter	-	
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	-	
14	Project Cost (Rs. In Crores)	0.55	
15	Environmental Sensitivity		
	a. Nearest Forest	-	
	b. Nearest Human Habitation	-	
	c. Educational Institutes, Hospital	Primary Schools are located at Kalingeri village. The hospitals, colleges, places of worship community facilities etc., are located at Sandur town which is at a distance of 23 kms by road from the lease area.	
	d. Water Bodies	Somalapura reserved forest is located at a distance of 4.0 kms.	
	e. Other Specify	-	
16	Applicability of General Condition of the EIA Notification, 2006	No	
17	Details of Land Use in Ha		
	a. Area for Mining/ Quarrying	0.935	
	b. Waste Dumping Area	-	
	c. Top Soil Storage Area	-	
	d. Mineral Storage Area	-	
	e. Infrastructure Area	-	
	f. Road Area	-	
	g. Green Belt Area	0.279	
	h. Unexplored area	-	
	i. Others Specify	-	
18	Method of Mining/ Quarrying	Mechanised mining methods	
19	Water Requirement		
	a. Source of water	Drinking & Domestic Purpose	
	b. Total Requirement of Water in KLD	Dust Suppuration	21
		Domestic	1
		Other	2
		Total	24
20	Storm water management plan		

The proponent has obtained Environmental Clearance from SEIAA vide letter No. SEIAA 247 MIN 2013 dated 23.04.2015 for their building stone mining for the production of 28,000 TPA (max). Now the proponent has proposed to increasing the production quantity from 28,000 TPA (max) to 1,50,000 TPA.

The Project proponent and Environment Consultant attended the 185th SEAC meeting held on 24th October 2017 to provide required information/clarification.

The committee while examining the compliances to the conditions of earlier E.C observed that there are non compliances to most of the conditions of the earlier EC.

The committee therefore decided to recall the proponent providing one more opportunity to present the proposal after submission of the full compliance to the EC conditions.

The proponent was invited for the meeting to provide required clarification/additional information.

The proponent requested for some more time to comply with the earlier E.C conditions. Hence the committee decided to give one more opportunity and decided to recall after complying with the EC conditions.

**Action** Secretary, SEAC to put up the proposal before SEAC in subsequent meetings.

**Fresh Subjects:**

**195.18** Proposed Residential Development Projects at Sy.Nos.4/1 & 6/7 of Raghuvanahalli Village & Sy.No.70 (Site No.7/7) of Doddakallasandra Village, Uttarahalli Hobli, Bengaluru South Taluk, Bengaluru Urban District By **M/s. Brigade Enterprises Limited (SEIAA 50 CON 2018)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/S. BRIGADE ENTERPRISES LIMITED, GPA HOLDERS OF M/S.JEEVAN SANDHYA TRUST 29 <sup>th</sup> AND 30 <sup>th</sup> FLOOR, WORLD TRADE CENTER, BRIGADE GATEWAY CAMPUS, 26/1, DR. RAJKUMAR ROAD, MALLESWARAM - RAJAJINAGAR, BENGALURU - 560 055.
2	Name & Location of the Project	Brigade Residential Development BBMP Khatha No. 243 (Survey No. 4/1, 6/7 of Raghuvanahalli Village & Survey No. 70 (Site No.7/7) of Doddakallasandra Village), Uttarahalli Hobli, Bengaluru South Taluk, Bengaluru (U)
3	Co-ordinates of the Project Site	12° 52'53.70"N; 77°32'53.90"E
4	Environmental Sensitivity	

	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluvé, Nala etc.)	Storm Water Drain located in the South-East Corner and extending about 75m within the development
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	Tertiary Nala and 25m buffer as per NGT Direction in O.A 222 of 2014 shall be earmarked as "No Development Zone"
5	Type of Development		
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartments-1065 Dwelling Units
	b.	Residential Township/ Area Development Projects	
6	Plot Area (Sqm)		31,856.92Sq.m (7 Acres 34.88 Guntas)
7	Built Up area (Sqm)		1,44,946.37Sq.m.
8	Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]		2 Buildings 3 Basement + Ground Floor + 19 to 42 Upper Floors
9	Number of units in case of Construction Projects		1065 Dwelling Units
10	Number of Plots in case of Residential Township/ Area Development Projects		Not Applicable
11	Project Cost (Rs. In Crores)		187 Crores
12	Recreational Area in case of Residential Projects / Townships		Not Applicable
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	5,561.64 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	10,512 Sq.m
	d.	Internal Roads	9,557.07 Sq.m
	e.	Paved area	6,226.21 Sq.m
	f.	Others Specify	--

g.	Parks and Open space in case of Residential Township/ Area Development Projects	1051.2 (10% of site area - Included in Total Green belt area on Mother Earth)
h.	Total	31,856.92 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	Not Applicable
b.	Total quantity of Excavated earth (in cubic meter)	1,44,930 Sq.m
c.	Quantity of Excavated earth proposed to be used in the Project site (in cubic meter)	1,44,930 Sq.m
d.	Excess excavated earth (in cubic meter)	Nil
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Not Applicable

15	WATER							
I.	Construction Phase							
a.	Source of water	Treated water from Brigade Project "Brigade Omega" located at about 4km from the proposed project.						
b.	Quantity of water for Construction in KLD	10KLD						
c.	Quantity of water for Domestic Purpose in KLD	20KLD						
d.	Waste water generation in KLD	17KLD						
e.	Treatment facility proposed and scheme of disposal of treated water	Mobile STP						
II.	Operational Phase							
a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>492KLD</td> </tr> <tr> <td>Recycled</td> <td>251KLD</td> </tr> <tr> <td>Total</td> <td>743KLD</td> </tr> </table>	Fresh	492KLD	Recycled	251KLD	Total	743KLD
Fresh	492KLD							
Recycled	251KLD							
Total	743KLD							
b.	Source of water	BWSSB, Rooftop Rainwater & Treated Water						
c.	Waste water generation in KLD	669KLD						
d.	STP capacity	350KLD x 2Nos.						
e.	Technology employed for Treatment	Sequencing Batch Reactor Technology						



	f.	Scheme of disposal of excess treated water if any	Treated water will be used for Toilet Flushing & Landscaping.
16	Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	1 no. of 140 cum capacity of Rainwater Harvesting sump to harvest 132 cum of Rooftop Rainwater
	b.	No's of Ground water recharge pits	45 Nos.
17	Storm Water Management plan		45 Infiltration Wells / Shafts of 0.15m Diameter & 20m Depth are proposed along the internal storm water drain. Quantity of Rooftop Rain water - 132cu.m Storm Water Drain of size 0.6m x 0.6m along the boundary of the project site
18	WASTE MANAGEMENT		
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	20kg/day of solid waste shall be disposed through BBMP waste management contractors
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1331kg/day Organic Waste Converter
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	1065kg/day Local Authorized Recyclers
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	500 kg/ annum Authorized Agencies
	d.	Quantity of E waste generation and mode of Disposal as per norms	200 kg/ annum Authorized Agencies
19	POWER		
	a.	Total Power Requirement - Operational Phase	7000KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	750 KVA x 3 Nos. + 500 KVA x 4 Nos.
	c.	Details of Fuel used for DG Set	Dual Fuel Mode; Low Sulphur High Speed Diesel (HSD) with Sulphur content less than 50ppm & Compressed Natural Gas (CNG)
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	i. Timer based External Lights j. Solar lighting (Street and Landscape) k. BEE Star rated electromechanical systems shall be used in the development

			l. Solar Water Heating systems for top 2 floor m. Use of Copper wound transformer n. Use of HF ballast for lighting o. Use of LED light fittings p. Building Orientation Total Savings - 25.35%
20	PARKING		
	a.	Parking Requirement as per norms	1096 Nos.
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Anjanapura Road towards Kanakapura - B Anjanapura Road towards Anjanapura - B Kanakapura Road towards Bengaluru - D Kanakapura Road towards Kanakapura - C or D
	c.	Internal Road width (RoW)	8m

The Proponent and Environment Consultant attended the meeting of SEAC to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting.

The committee while appraising the proposal observed from the village survey map that there is one water body in the form of tertiary nala in the survey number 4 which is the part of this project site for which the proponent has stated that he has left 25 meter buffer zone on either side as per NGT order.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

- 1) The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
- 2) 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
- 3) The proponent to plant additional 200 tree species as per norms.
- 4) The proponent shall submit the treatment scheme to reduce the waste water discharge to the drain to 20%.

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



195.19 Proposed Commercial Development Projects at Sy.Nos.49/3 & 49/4 of Hongasandra Village, Bangalore South Taluk, Bangalore Urban District By M/s. Nitesh Estates Limited (SEIAA 51 CON-2018)

1.	Name & Address of the project		M/s. Nitesh Estates Limited at Sy.Nos.49/3 & 49/4 of Hongasandra Village, Bangalore South Taluk, Bangalore Urban District.		
2.	Plot Area		11692.12sqm		
3.	Total Built-up area		56742.57 sqm		
4.	Building Configuration and Number of Units		2B+G+7 UF		
5.	Height of the building		31.10 Mts		
6.	Land use as per CDP		Commercial		
7.	Land use details	Ground coverage area	4563.05 sqm		
		Landscape	3869.28 sqm		
8.	Car Parking		760 Nos.		
9.	Source of Power				
	Power requirement	Construction Phase	DG sets		
		Operational Phase	3104.3 Kva from grid power		
10.	Backup DG sets		2X 1500 Kva+ 1 No x 1010 Kva		
11.	Energy savings		24.56 %		
12.	Source of water	Construction Phase	BWSSB TTP/onsite mobile STP/Tankers		
		Operational Phase	BWSSB		
14.	Total water requirement	Construction Phase	71 KLD		
15.		Operational Phase	135 KLD		
16.	Wastewater generation in KLD		122KLD		
17.	STP capacity in KLD & technology		125 KLD, SBR Technology		
18.	Rain water harvesting implementation, Recharge pits, Storage capacity		Recharge pits of 13 Nos & 115 cum sump		
19.	Traffic : nearest road - LOS - Existing & modification				
	Towards	Existing traffic (LOS)	Projected for next five after adding generated traffic (LOS)	Changed scenerio after widening	Changed scenerio-2 after introducing Metro
	Electronic city	D	F	D	C
	Bangalore city	D	F	D or E	C
	Electronic city, SR	C	D	No widening	B
	Bangalore city, SR	C	D		C

	7 <sup>th</sup> Mile Hosur Road	A	A	A
20.	Solid waste disposal details		.258 Kg/day, biodegradable waste will be processed in organic waste converter & 387 Kg/day non biodegradable waste to be given to the waste recyclers.	
21.	Cost of the Project		Rs. 114.8 Crores	

The proponent was invited to provide required clarification. The proponent has submitted a letter dated 23-3-2018 requesting to list their subject in the next meeting as their consultant has gone out of country.

The Committee decided to defer the subject providing one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again.

**Action** Secretary, SEAC to put up the proposal before SEAC in subsequent meetings.

**2:30 PM to 5:30 PM**

**EIA Appraisal:**

**195.20** Expansion of Active Pharmaceutical Ingredients (APIs) & Intermediates Project at Plot No.64 of Sompura Industrial Area, Dobbaspeta, Nelamangala Taluk, Tumkur Road, Bengaluru Rural District by M/s VPL Chemicals Pvt Ltd(SEIAA 23 IND 2016)

Particulars	Informations
(a) Name & location details of the project.	M/s. VPL Chemicals Pvt. Ltd., Plot no. 64, Sompura Industrial area, Dabaspeta, Nelamangala Taluk, Tumkur Road, Bangalore
(b) Address of Project Proponent for correspondence.	M/s. VPL Chemicals Pvt. Ltd., # 27, Behind "The Club" Nayandahalli, Mysore Road, Bangalore-560039
Objective of the Project	Expansion and modification of Active Pharmaceutical Ingredients (APIs) manufacturing industry
Project details	Expansion and modification of Active Pharmaceutical Ingredients (APIs) manufacturing industry
Details of major products manufactured (along with by-products)	
a) Production at present	APIs & Intermediates      Production

	capacity (kg/ annum)
Amyl meta cresol	600
Benazepril Hydrochloride	600
Fexofenadine hydrochloride	1200
Ambroxol hydrochloride	6000
Oxcarbazepine	6000
P-nitrobenzene sulfonyl chloride	1200
2,4- Dichlorobenzyl alcohol	1200
Total	16800

b) Proposed capacity

Sl. No	Product	Quantity Kg/ Batch	No of Batches	Quantity Kg/ Month
1	Fexofenadine HCl	300	15	4500
2	Ambroxol HCl	300	15	4500
3	Amlodipine Besylate	300	15	4500
4	Fluconazole	300	15	4500
5	Pregabalin	300	10	3000
6	Verapamil HCl	300	10	3000
7	Oxcarbazepi ne	300	10	3000
8	Febuxostat	100	10	1000
9	Minoxidil	300	15	4500
10	Dabigatran	300	10	3000
	Total	2,800		35,500

Details of major raw materials  
(quantity/month).

Details appended as Annexure

Status of Organization:  
Government/Semi  
Government/Public/Private

Private Limited Company

Investment (Rs)

Total investment about ₹10 crore

	Project Expansion cost about ₹10 -12 Lakhs		
Total labor force	50 people		
Nature of land (KIADB/ KSSIDC/Revenue /Others)	KIADB industrial area		
Location and land use details of the area with schematic plan.	Topo map of the project area is submitted.		
Details of water bodies around the proposed industry.	Hosahalli lake is at a distance of about 2km in the Southern direction.		
Nature of soil	Soil analysis report is submitted.		
Distance (if within 50 km) to the nearest National Park Sanctuary Heritage site Monument Reserve Forest Protected Forest Inter State boundary	None None None None None None None		
Greenery plan within industrial premises including open area (area % of total area & species proposed).	1500 Sqm (30 %)		
Details of source of water (rivers, lakes, ground, public supply)	KIADB public water supply scheme, bore well		
Water balance	Water balance chart is submitted.		
a) Total water requirement	14.35 KLD, considering worst case scenario, since the industry manufactures only one product at any given time, on campaign basis.		
(i) Domestic	3 KLD		
(ii) Gardening	550 KLD		
(ii) Industrial Process Washing/Cleaning Boiler feed Cooling tower make-up water Scrubber R&D	Sl.No	Details	Water Requirement (LPD)
	1	Process	3400
	2	Washings	1800
	3	Boiler	2500
	4	Cooling Tower Replenishment	1200
	5	RO Plant	1250
	6	R&D	150
	7	Scrubbing System	500
	8	Domestic	3000
	9	Gardening (Average)	550
	<b>Total</b>		<b>14350</b>

b) Total wastewater generated	9 KLD			
(i) Domestic sewage generated	3 KLD			
(ii) Industrial (m <sup>3</sup> /day)	5.85 KLD			
Process Washing/Cleaning Boiler blow-down Cooling tower make-up water Scrubber R&D	Sl.No	Details	Recycle In (LPD)	Waste Water Generation (LPD)
	1	Process		3400
	2	Washings		1800
	3	Boiler	1500	0
	4	Cooling Tower Replenishment	960	0
	5	RO Plant	1050	0
	6	R&D		150
	7	Scrubbing System		500
	<b>Total</b>		<b>3510</b>	<b>5850</b>
c) Effluent treatment proposal	(a) Domestic	Mobile STP		
	(b) Industrial	Sent to Effluent Treatment Plant with Multiple Effect Evaporator followed by RO for Reuse		
d) Mode of disposal (pond/ river valley/ underground sewer/irrigation/ocean/ others (specify)	a. industrial effluent - Re-used for landscape development, cooling tower make-up water etc.			
e) Total area allocated for disposal of wastewater.	--NA-- as the treated wastewater is not disposed on land.			
a) Details of air pollution sources	Boiler (2 TPH, 1THP))& DG set(250 KVA, 15 KVA), process section			
b) Details of control equipment	Boiler, & DG set - stacks (30m AGL, 5m)			
a) Solid waste details (i) Domestic (ii) Industrial (iii) Hazardous	12.5 kg/day			
	Sl. No	Description	Quantity/Day	Units
	1	Organic Waste from Process	1187.984	Kg
	2	Solid (Inorganic) Waste from Process (Residue)	218.74	Kg
	3	Used Container	12	Kg
4	Used Oil	2	L/Month	
(b) Solid waste disposal methods (i) Domestic	The domestic wastes are segregated at source, collected in bins and composted.			
Ambient noise level				
(A) Source of noise and	DG set			

vibrations	
(B) Noise and vibration control measures proposed	Acoustic enclosure is proposed
Power requirement indicating source of power supply	The total power requirement is 250 KVA which is to be obtained from BESCOM through KIADB.
Documents submitted:	
Environmental Management Plan	Submitted
Project report	EIA is Submitted
Clearance of Pollution Control Board	CFO obtained, attached as Annexure 4 with the Report
Clearance approved on site Emergency Plan from the Chief Inspector of factories & Boilers	Approval obtained and submitted
Topographical map of the area	Submitted
EIA	Submitted
Social commitment plan	--

### ANNEXURE

#### Raw Materials Requirement for manufacture of API

Sl. No.	Product	Raw materials	Quantity Required
			kg/batch
1	Fexofenadine HCL	Methyl (Stage1)	273
		Azacylonol	231
		Potassium iodide	3
		Sodium bi carbonate	117
		Sodium Boro hydride	30
		Sodium hydroxide flakes	66
		HCL	300
		methyl iso butyl ketone	1092
		Hyflow	3
		Activated Carbon	3
		Purified water(stage 1)	681
		Stage 2	138
		Methanol(stage 2)	1089
		Stage 3	165
		Ethyl acetate	324
2	Ambroxol HCL	Iso propyl alcohol	165
		2-amino-3,5-Dibromo Benzaldehyde	216
		Trans 4-aminocyclohexnol	90
		Sodium Borohydride	30
		Activated carbon	6
		Hy flow	3
		HCL	54
		Purified water	765
Acetone	1800		



		Methanol (Stage 1)	1224
3	Amlodipine besylate	Monomethylamine	786
		Phathoylamlo dipine	321
		Benzene sulphonic acid	129
		Activated charcoal	6
		Hy flow supercell	6
		Purified water (stage 1)	621
		Stage 2	735
		Methanol	1743
		Ethyl acetate	1743
4	fluconazole	Di-floro-tetra-aceto-phenone	348
		Trimethyl solfoxonium iodide	156
		1,2,4 triazole	156
		Potassium hydroxide	225
		HCL	249
		Hyflow supercell	6
		Citric acid	9
		Purified water	870
		Toulene	117
5	Febuxostat	Ethyl-2-(3-cyano-4-isobutoxyphenyl)-4-methyl-5-thiazolecarboxylate	153
		Febuxostat crude	130
		NAOH	23
		HCL	62
		Acetone	1333.8
		Isopropyl alcohol	600
		Activated carbon	6
		Celite	6
		Water	3401
6	Pregabalin	R-(-)-3- carbamoymethyl hexanoic acid	504
		Hydrochloric acid	708
		Sodium Hydroxide	330
		Purified water	1290
		Isopropyl alcohol	1413
7	Dabigetrán	3-[(1-Methyl-2-[[4-(5-oxo-4,5-dihydro-[1,2,4]oxadiazol-3-yl)-phenylamino]-methyl]-1H benzoimidazole-5- carbonyl)-pyridin-2-yl-amino]-propionic acid ethyl ester	15
		P-toluene sulphonic acid	4
		Acetic acid	3
		IPA	375
		Hexa chlorofomate	4

		Acetone	180
		Potassium Hydroxide	2
		Hydrochloric acid	0.1
		Water	150
8	Verapamil HCL	2-(3,4- Dimethoxyphenyl)-3-methylbutanenitrile	324
		N-(3-choloropropyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-methylamine	225
		Sodamide	48
		HCL	183
		Activated carbon	3
		Hyflow supercell	6
		Toluene (stage 1 )	2163
		Stage 2	1686
		RO water	1050
		Methanol	804
9	Minoxidil	Magnesium Monoperoxyphthalate Hexahydrate	375
		2,4-Diamino-6-Chloropyrimidine	375
		Methanol	180
		Piperidine	450
		Water	600
10	Oxcarbazepine HCl	10-methoxylimostilbene	315
		Mono Chloro Acetic Acid	252
		Sodium cyanate	246
		Formic Acid	669
		Sodium Meta bisulphate	3
		Charcoal(Carbon) for decolouring	15
		DM Water	7500
		Toluene	6357
		Acetone	669
		N-Propanol	3951
		10-Methioxy carbamazepine	300

The Proponent and the Environment Consultant attended the 166<sup>th</sup> SEAC meeting held on 17<sup>th</sup>& 18<sup>th</sup> June 2016 to present the ToRs.

The committee appraised the proposal considering the information provided in the statutory application-Form I, pre-feasibility report, and proposed ToRs and clarification/additional information provided during the meeting. The proponent

informed the committee that, at any point of time only one product will be produced. Also, he informed that, there are nine reactors in the plant and it is possible to produce only one product at a time because there is only one clean reactor through which end product will come out. The committee after discussion decided to recommend the proposal to SEIAA to issue standard ToRs along with the following additional ToRs for conducting the EIA studies in accordance with the EIA Notification 2006 and relevant guidelines. The proponent requested the committee to consider the project under B2 category since there is no increase in pollution load. The committee has not accepted the request and permitted the proponent to carry out base line data study for a month excluding monsoon period.

Additional ToR's.

1. List of chemicals/solvents which are hazardous/banned.
2. Effluent characteristics at each stage to be given.
3. Revised MEE process flow chart by taking recycling back to process only and not for gardening.
4. Detailed design of green to be given.
5. Revised water balance chart.

Accordingly the ToRs were issued on 29<sup>th</sup> August 2016.

The proponent has submitted the EIA report vide letter dated 3-1-2018 received on 7-3-2018. The EIA report is placed before the committee for appraisal.

The Proponent and Environmental Consultant attended meeting to present the EIA report and to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Prefeasibility report, EIA report, EMP report and clarification/additional information provided during the meeting. The committee noted that the proponent has not made compliance to the EMP in the EIA report and in this regard the proponent has agreed to come before the committee after due compliance to the EC conditions.

The Committee after discussion decided to recall the proposal after complying with the above observation.

**Action** Secretary, SEAC to put up the proposal before SEAC in subsequent meetings.

**Fresh Subjects:**

195.21 Proposed Building Stone Quarry Project at Sy.No.528 of 64-Halekote Village, Siruguppa Taluk, Ballari District (2-0 Acres) by M/s C.H Veerraju & co. (SEIAA 13 MIN 2018)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. C.H. Veerraju & Co., D.No. 40, Ward No. 9, Marurthi Nilaya, Laxmishanagar Kadur- 577548 Chikkamagaluru District		
2	Name & Location of the Project	Building Stone Quarry Activity of 2-00 Acres (0.809 Ha.) in of 64-Halekote Village, Siruguppa Taluk, Ballari District, Karnataka		
3	Co-ordinates of the Project Site	<b>C. P</b>	<b>Latitude</b>	<b>Longitude</b>
		A	N 15° 33' 03.1"	E 76° 53' 48.3"
		B	N 15° 33' 02.4"	E 76° 53' 53.2"
		C	N 15° 33' 00.7"	E 76° 53' 52.9"
4	Type of Mineral	Building Stone Quarry		
		New		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [ Forest, Government. Revenue, Gomal, Private/Patta, Other]	Government Revenue Land		
7	Whether the project site fall within ESZ/ESA	Not Applicable		
8	Area in Ha	0.809 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed	Not Applicable		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	25,547 MT/ Annum		
12	Quantity of Topsoil/ Over burden in cubic meter	Nil		
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	1,345 MT/ Annum		
14	Project Cost (Rs. In Crores)	14 Lakhs		
15	Environmental Sensitivity			
	a.	Nearest Forest	Kenchagarabela RF 11.5 Km E-SE	
	b.	Nearest Human Habitation	64-Halekote village - 2.2 Km	
	c.	Educational Institutes, Hospital	None	
	d.	Water Bodies	Hagari River 6 Km E Tungabhadra Right Canal 12.5 Km S Unnamed Kere 12.65 Km SW	

			Tungabhadra River 7.2 Km W-NW Kenchangud Dam 7.9 Km N-NW Isara Halla 15 Km SW Hire Halla 14.05 Km NE Unnamied Canal 13.05 Km E-NE Halekote Kere 2.6 Km NW Unnamed Kere 1.0 Km W-SW	
	e.	Other Specify	None	
16	Applicability of General Condition of the EIA Notification, 2006		None	
17	Details of Land Use in A-G			
	a.	Area for Mining/ Quarrying	1-06	
	b.	Stack Yard	0-01	
	c.	Top Soil/ Dump Yard	0-02	
	d.	Mineral Storage Area	-	
	e.	Shelter/ Shed	0-01	
	f.	Road Area	0-02	
	g.	Green Belt Area	0-28	
	h.	Unexplored area	-	
	i.	Others Specify	None	
18	Method of Mining/ Quarrying		Opencast Semi-mechanized Mining	
19	Water Requirement			
	a.	Source of water	Nearby borewells	
	b.	Total Requirement of Water in KLD	Dust Suppression	5.4 KLD
			Domestic	0.08 KLD
			Other	None
			Total	5.5 KLD
20	Storm water management plan		None	

The proponent and Environmental Consultant attended the meeting to provide required clarification/additional information.

The committee noted that in the combined sketch prepared by DMG for the proposal of 2 acres lease, it has been mentioned that there are three leased areas and three notified areas including the area under this proposal. One such proposal for which notification has been issued, the notified area is 20 acres which is more than 5 Hectares. As per the MoEF Notification Dated: 15<sup>th</sup> January 2016, the proposal has been brought up before SEIAA and hence this proposal is being appraised by SEAC accordingly. The total area of leased proposal and notified proposals is 42 acres 20 guntas and is less than threshold limit of 25 Hectares and hence these proposals are appraised as individual proposals.

The proponent has stated that there is a road of 600 meter away from the quarry area and the link road connecting quarry area to this road will be formed on the

Government land which extends upto the existing road at 600 meter away. The proponent has also stated that he has three quarrying areas in the same locality for which notification has already been issued and he will form pucca road designing the crest based on the CBR and PCU values which serves for the three quarry areas for which he has made a provision of rupees 40 lakhs in the combined EMP. The anticipated yield is 1,34,459 metric tonnes of mineable production for a period of five years. It is envisaged with a production plan of 1,27,736 tons excluding wastages over a period of five years.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environmental clearance with the following conditions:

- 1) Safe drinking water has to be provided at the quarry site.
- 2) The project proponent shall provide high dust proof fencing all along the lease boundary.
- 3) Dust suppression measures have to be strictly followed.
- 4) The drilling machines shall be fitted with dust extraction unit while taking up quarrying activity.

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

195.22 Proposed Building Stone Quarry Project at Sy.No.01 of Tekalakote Village, Siruguppa Taluk, Ballari District (20 Acres) by M/s C.H Veerraju & co. (SEIAA 14 MIN 2018)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. C.H. Veerraju & Co., H. No. 40, Maruthi Neelaya Lakshmesh Nagara T.B. Road Kaduru- 577 548 Chikkamagaluru District		
2	Name & Location of the Project	Building Stone Quarry Activity of 20-00 Acres (8.093 Ha.) in of Tekalakote Village, Siruguppa Taluk, Ballari District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 15°33' 00.5"	E 76° 53' 34.6"
		B	N 15°33' 00.5"	E 76° 53' 52.7"
		C	N 15°32' 55.6"	E 76° 53' 52.7"
D	N 15°32' 55.6"	E 76° 53' 34.6"		
4	Type of Mineral	Building Stone Quarry		
5	New / Expansion / Modification /	New		

	Renewal	
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land
7	Whether the project site fall within ESZ/ESA	Not Applicable
8	Area in Ha	8.09 Ha.
9	Actual Depth of sand in the lease area in case of River sand	17.8m
10	Depth of Sand proposed to be removed	Not Applicable
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	4,68,719 MT/ Annum
12	Quantity of Topsoil/Over burden in cubic meter	Nil
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	24,669 MT/ Annum
14	Project Cost (Rs. In Crores)	40 Lakhs
15	Environmental Sensitivity	
	a. Nearest Forest	Kanchagarabela RF 11.25 Km SE Kachagarabela RF 11.1 Km E-SE
	b. Nearest Human Habitation	Tekkalakote village - 2.50 Km
	c. Educational Institutes, Hospital	None
	d. Water Bodies	Thungabhadra River 7.25 Km NW Hagani River 12.7 Km SW Hire Halla 12.9 Km NE Dasanuru Channel 10.6 Km N-NW Kanchangnd Dam 8 Km N-NW Tungabhadra Right Canal 12.55 Km S Unnamed Canal 13 Km E-NE Isara Halla 13.8 Km SW Unnamed Kere 12.8 Km SW
	e. Other Specify	None
16	Applicability of General Condition of the EIA Notification, 2006	None
17	Details of Land Use in Acres	
	a. Area for Mining/ Quarrying	13-00
	b. Waste Dumping Area/Stack yard	0-30
	c. Top Soil Storage Area	1-00
	d. Mineral Storage Area	-
	e. Infrastructure Area	0-10
	f. Road Area	0-20
	g. Green Belt Area	2-20
	h. Unexplored area	2-00

	i.	Others Specify	-	
18		Method of Mining/ Quarrying	Opencast Semi-mechanized Mining	
19		Water Requirement		
	a.	Source of water	Nearby borewells	
	b.	Total Requirement of Water in KLD	Dust Suppression	5.0 KLD
			Drinking	280 Liter/Day
			Other	None
			Total	5.28 KLD
20		Storm water management plan	Ordinary sand mining will be done during Non-Monsoon season	

The proponent and Environmental Consultant attended the meeting to provide required clarification/additional information.

The committee noted that in the combined sketch prepared by DMG for the proposal of 20 acres lease it has been mentioned that, there are three leased areas and three notified areas including the area under this proposal. This proposal for which notification has been issued the notified area is 20 acres which is more than 5 Hectares. As per the MoEF letter Dated: 15<sup>th</sup> January 2016, the proposal has been brought up before SEIAA and hence this proposal is being appraised by SEAC accordingly. The total area of leased proposal and notified proposals is 42 acres 20 guntas and is less than threshold limit of 25 Hectares and hence these proposals are appraised as an individual proposals.

The proponent has stated that there is a road 600 meter away from the quarry area and the link road connecting quarry area to this road will be formed on the Government land which extends upto the existing road at 600 meter away. The proponent has also stated that he has three quarrying areas in the same locality for which notification has already been issued and he will form pucca road designing the crest based on the CBR and PCU values which serves for the three quarry areas for which he has made a provision of rupees 40 lakhs in the combined EMP. The anticipated yield is 24,66,940 metric tonnes of mineable production for a period of five years. It is envisaged with a production plan of 23,43,593 metric tons excluding wastages over a period of five years.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environmental clearance with the following conditions:

- 1) Safe drinking water has to be provided at the quarry site.
- 2) The project proponent shall provide high dust proof fencing all along the lease boundary.
- 3) Dust suppression measures have to be strictly followed.



- 4) The drilling machines shall be fitted with dust extraction unit while taking up quarrying activity.

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

195.23 Proposed Building Stone Quarry Project at Sy.No.528 of 64-Halekote Village, Siruguppa Taluk, Ballari District (9-00 Acres) by M/s C.H Veerraju & co. (SEIAA 15 MIN 2018)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. C.H. Veerraju & Co., D.No. 40, Ward No. 9, Marurti Nilaya, Laxmishanagar Kadur- 577548 Chikkamagaluru District.		
2	Name & Location of the Project	Building Stone Quarry Activity of 9-00 Acres (3.64 Ha.) in of 64-Halekote Village, Siruguppa Taluk, Ballari District, Karnataka		
3	Co-ordinates of the Project Site	<b>C. P</b>	<b>Latitude</b>	<b>Longitude</b>
		A	N 15° 33' 03.9"	E 76° 53' 48.8"
		B	N 15° 33' 07.3"	E 76° 53' 49.9"
		C	N 15° 33' 04.1"	E 76° 54' 00.5"
D	N 15° 33' 00.7"	E 76° 53' 59.4"		
4	Type of Mineral	Building Stone Quarry		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land		
7	Whether the project site fall within ESZ/ESA	Not Applicable		
8	Area in Ha	3.64 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed	Not Applicable		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	12,19,268 MT/Annum		
12	Quantity of Topsoil/ Over burden in cubic meter	Nil		
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	12,834 MF/Annum		

14	Project Cost (Rs. In Crores)	30 Lakhs	
15	Environmental Sensitivity		
	a. Nearest Forest	Kenchagarabela RF 11.25 Km E-SE	
	b. Nearest Human Habitation	64-Halekote village - 2.2 Km	
	c. Educational Institutes, Hospital	None	
	d. Water Bodies	Hagari River 5.55 Km E Tungabhadra Right Canal 12.5 Km S Unnamed Kere 12.8 Km SW Tungabhadra River 7 Km W-NW Kenchangud Dam 7.65 Km N-NW Isara Halla 13.75 Km SW Hire Halla 14 Km NE Unnamed Canal 12.8 Km E-NE Halekote Kere 1.35 Km NW Unnamed Kere 750m S-SW Unnamed Nalla 300m SW	
	e. Other Specify	None	
16	Applicability of General Condition of the EIA Notification, 2006	None	
17	Details of Land Use in A-G		
	a. Area for Mining/ Quarrying	6-00	
	b. Stack Yard	0-10	
	c. Top Soil/Dump Yard	0-30	
	d. Mineral Storage Area	-	
	e. Shelter/ Shed	0-05	
	f. Road Area	0-15	
	g. Green Belt Area	1-20	
	h. Unexplored area	-	
	i. Others Specify	None	
18	Method of Mining/ Quarrying	Opencast Semi-mechanized Mining	
19	Water Requirement		
	a. Source of water	Nearby borewells	
	b. Total Requirement of Water in KLD	Dust Suppression	5.8 KLD
		Domestic	0.18 KLD
		Other	None
		Total	6.0 KLD
20	Storm water management plan	None	

The proponent and Environmental Consultant attended the meeting to provide required clarification/additional information.

The committee noted that in the combined sketch prepared by DMG for the proposal of 9 acres lease, it has been mentioned that there are three leased areas and three notified areas including the area under this proposal. One such proposal for which notification has been issued the notified area is 20 acres which is more than 5

Hectares. As per the MoEF Notification Dated: 15<sup>th</sup> January 2016 the proposal has been brought up before SEIAA and hence this proposal is being appraised by SEAC accordingly. The total area of leased proposal and notified proposals is 42 acres 20 guntas and is less than threshold limit of 25 Hectares and hence these proposals are appraised as an individual proposals.

The proponent has stated that there is a road 600 meter away from the quarry area and the link road connecting quarry area to this road will be formed on the Government land which extends upto the existing road at 600 meter away. The proponent has also stated that he has three quarrying areas in the same locality for which notification has already been issued and he will form pucca road designing the crest based on the CBR and PCU values which serves for the three quarry areas for which he has made a provision of rupees 40 lakhs in the combined EMP. The anticipated yield is 12,83,440 metric tonns of mineable production for a period of five years. It is envisaged with a production plan of 12,19,268 metric tons excluding wastages over a period of five years.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environmental clearance with the following conditions:

- 1) Safe drinking water has to be provided at the quarry site.
- 2) The project proponent shall provide high dust proof fencing all along the lease boundary.
- 3) Dust suppression measures have to be strictly followed.
- 4) The drilling machines shall be fitted with dust extraction unit while taking up quarrying activity.

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

**Deferred Subjects:**

**195.24 Chandapur Sand Block No. 1,(60-00 Acres) in Tungabadra River Bed, in opposite to Sy. No. 2, 8, 47 & 55 of Chandapur Village, Ranebennur Taluk, Haveri District of Sri. Saifulla Jadadi (SEIAA 74 MIN 2017)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Saifulla Jadadi S/o Jamaluddin Sab Vinayaka Nagar, Haveri Road, Guttal, Karnataka State.

2	Name & Location of the Project	Chandapur Sand Block, (Block no.01) In Tungabhadra River Bed, Opp to Sy No.,2,8,47 & 55 Chandapur Villabe, Ranebennur Taluk, Haveri Dist.,
3	Co-ordinates of the Project Site	Latitude: N 14° 47' 29.70" to N 14° 47' 57.10" Longitude: E 75° 40' 15.30" to E 75° 41' 02.60"
4	Type of Mineral	Sand
5	New / Expansion / Modification / Renewal	New
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	24.28
9	Actual Depth of sand in the lease area in case of River sand	3.0m
10	Depth of Sand proposed to be removed	1.0m
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	Max.29000 Tons per annum
12	Quantity of Topsoil/Over burden in cubic meter	-
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Max.7250 tons per annum
14	Project Cost (Rs. In Crores)	0.20cr
15		
	a. Nearest Forest	-
	b. Nearest Human Habitation	Chandapur village is at a distance of 150m
	c. Educational Institutes, Hospital	Available at Ranebennur Taluk
	d. Water Bodies	The project lies in Tungabhadra river
	e. Other Specify	-
16	Applicability of General Condition of the EIA Notification, 2006	No
17		
	a. Area for Mining/ Quarrying	9.71
	b. Waste Dumping Area	-
	c. Top Soil Storage Area	-
	d. Mineral Storage Area	-
	e. Infrastructure Area	-
	f. Road Area	-
	g. Green Belt Area	2.75

	h.	Unexplored area	11.81	
	i.	Others Specify	-	
18		Method of Mining/ Quarrying	Semi mechanised Method	
19		Water Requirement		
	a.	Source of water	Drinking water & Domestic	
	b.	Total Requirement of Water in KLD	Dust Suppuration	21
			Domestic	02
			Other	-
			Total	23
20		Storm water management plan	Nil	

The proponent and Environmental consultant attended the 189<sup>th</sup> SEAC meeting held on 14, 15<sup>th</sup> and 16<sup>th</sup> December 2017 to provide required clarification/additional information.

The committee while appraising the proposal observed that some people said to be residents of Chandapur has addressed a petition letter to the Chairman, SEAC stating that unauthorised mining has already been taking place in this area and requesting to take action in this regard.

The same has been discussed in the SEAC meeting and decided to forward the letter to the SEIAA to take credible action in the matter.

The committee also while appraising the proposal observed that the proponent has not submitted the Joint inspection report, Replenishment data, cluster certificate and cluster sketch which is mandatory.

The committee after discussion decided to defer the proposal.

Now, the proponent has submitted the replies vide letter dated:22-3-2018.

The proponent and Environment consultant attended the meeting to provide additional information / clarification.

The committee noted that as per the combined sketch prepared by DMG there are no other leased areas within the 500 meter from this block. As per the quarry plan the proponent proposed to take up mining only for a length of 950 meters excluding 25 meter left for river crossing. The total length of the leased block is 1557 meters of which he has left untackled portion to a length of 350 meter on one side and another 250 meter on other side.

As per the plan and section of the sand block now submitted the average width of the block is 156 meter and the average width of the river is 401 meters and the buffer left on the right side bank is 192 meters and on the left side bank is 53 meter. The length

of block considered for mining is 950 meter. The average RL of the top of the deposit is 520 meter and average RL of dry weather flow is 515.5 meter. The depth of the deposits is 3.0 meter and depth of mining proposed is 1.0 meter and thus the bottom level of the quarrying pit will be 3.5 meter above dry weather flow. The proponent has proposed to take up mining by dividing the mining area into five sub blocks and taking up mining in one sub block every year.

The proponent has stated that he has identified the land for stock yard at a aerial distance of 73 meters from the river bank which is on the private land for which he has stated he has entered into an MOU with land owner. He has also stated that there is an existing cart track road connecting river bank with the stockyard which is 230 meters measured along the cart track road. The cart track road connecting black topped road takes off from the middle of the road connecting river bank to the stock yard and proceeds further to join the existing black topped village road at 300 meters from the take off point. It is envisaged with a production plan of 1,33,000 tons excluding wastages with a lease period of five years.

The committee after discussion and deliberation decided to forward the proposal to SEIAA for issue of Environment clearance with the following conditions after taking credible action in the matter:

- 1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
- 2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
- 3) The overall depth of mining shall not exceed one meter from the top level at any point of time during the lease period.

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

**195.25 Proposed Pink Granite Quarry Project at Sy.No.284/3 of Balkundi Village, Hungund Taluk, Bagalkot District (6.77 Ha) By M/s. Amarjyothi Stones (SEIAA 116 MIN 2017)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Amarjyothi Stones of Sri Chandrahas B Herror 8B236, opp diet college, Near APMC, Illkal, Bagalkot-587154.
2	Name & Location of the Project	M/s Amarjyothi Stones Sy No.284/3, Balkundi Village, Hungund takuk, Bagalkot District.

3	Co-ordinates of the Project Site	Map Datum WGS84		
		Points	Longitude	Latitude
		A	E:76°03' 49.5"	N:15°54' 33.5"
		B	E:76°04' 00.4"	N:15°54' 33.6"
		C	E:76°04' 00.9"	N:15°54' 32.4"
		D	E:76°03' 58.8"	N:15°54' 29.7"
		E	E:76°04' 00.5"	N:15°54' 26.3"
F	E:76°03' 49.2"	N:15°54' 26.9"		
4	Type of Mineral	Pink Granite Quarry -Minor mineral		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	6.77 Ha		
9	Actual depth of sand in the lease area in case of river sand	NA		
10	Dept of sand proposed ot be removed in case of River sand	NA		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	NA		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modicaiton of mining proposals other than river sand	New quarry		
13	Annual production proposed (Metric tons/CUM) Annum	10,000m3/annum 7500 m3/Annum saleable+2500 m3/A khanda		
14	Quantity of topsoil/over burden in cubic meter	12.95 m3/plan period		
15	Mineral Waste Handled (Metric Tons/CUM)/Annum	Max 40,000 m3/annum		
16	Project cost (Rs in crores)	2 crores		
17	Environment sensitivity			
	a.	Nearest Forest	1.6 KM	
	b.	Nearest Human Habitation	3.00 KM (Balkundi village	
	c.	Educational Institutes, Hospital	9.00 KM (Ilkal)	
	d.	Water Bodies	2.20 KM (Hosurukere)	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006		NA	
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	4.44 Ha	
	b.	Waste Dumping Area	1.51 Ha	

	c.	Top Soil Storage Area	Green Belt	
	d.	Mineral Storage Area	Quarry Area	
	e.	Infrastructure Area	Quarry Area	
	f.	Road Area	Green Belt + Quarry Area	
	g.	Green Belt Area	0.82 Ha	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20		Method of Mining/ Quarrying	Open cast mining method	
21		Rate of Replenishment in case river sand project	NA	
22		Water Requirement	10 KLD	
23	a.	Source of water	Onw borewell	
	b.	Total Requirement of Water in KLD	Dust Suppression	6 KLD
			Domestic	2 KLD
			Other	2 KLD
			Total	10 KLD
24		Storm water management plan	Gully plug check dam, Garland, GWR pit.	

The proponent was invited for the 191<sup>st</sup> SEAC Meeting held on 16<sup>th</sup> and 17<sup>th</sup> January 2018 to provide required clarification/information. The proponent remained absent.

The Committee decided to defer the subject providing one more opportunity to proponent with intimation that the proposal will be appraised based on merit in his absence, in case he remains absent.

The proponent was invited for the meeting to provide required clarification and additional information.

The committee while appraising the proposal observed that as per the combined sketch prepared by the DMG there is only one other quarry which was granted after 9<sup>th</sup> September 2013 the area of which is 2 acres 20 guntas. The combined area of the block under appraisal and this area of 2.20 acres is 19 acres 9 guntas which is less than the threshold limit of 25 hectares. Hence it is appraised as individual proposal. The percentage of recovery being 20% and wastage is 80% the proponent has to handle total of 2,00,000 cum of waste over a period of five years of which he propose to convert 50% of the waste into building stone and left with 1,00,000 cum of waste for which he has proposed to dump in the area of 1.51 hectares earmarked for this purpose. He has also agreed to make a provision of rupees 20 lakhs every year for handling of 20,000 cum of dump every year.

The proponent stated that he will form a road to a length of 300 meters from the quarry area to the existing black topped road over a private land for which he has already entered into an MOU.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environmental clearance with the following conditions:



1. Safe drinking water has to be provided at the quarry site.
2. The project proponent shall provide high dust proof fencing all along the lease boundary.
3. Dust suppression measures have to be strictly followed.
4. The drilling machines shall be fitted with dust extraction unit while taking up quarrying activity.

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

195.26 Proposed construction of Expansion Residential Apartment Project at Sy.No.94/5 & Khata No.1607/94/5, Kodigehalli Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru District By Sri N. Nanjundappa (SEIAA 126 CON 2017)

1.	Name& Address of the project		Residential Apartment Project at Sy.No.94/5 & Khata No.1607/94/5, Kodigehalli Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru District.
2.	Plot Area		8,823.95 sqmts
3.	Total Built-up area		19,295.52 sqmts to 27,083.81 sqmts after expansion
4.	Building Configuration and Number of Units		2B+G+5 floors with 138 units.
5.	Height of the building		--
6.	Land use as per CDP		
7.	Land use details	Ground coverage area	2,723.47 sqmts
		Landscape	3,012.95 sqm
8.	Car Parking		156 Nos.
9.	Source of Power		BESCOM
	Power requirement	Construction Phase	50 KVA DG sets
		Operational Phase	750 KVA
10.	Backup DG sets		500 KVAx 1 No.
11.	Energy savings		21%
12.	Source of water	Construction Phase	External authorized tanker
		Operational Phase	BWSSB
14.	Total water requirement	Construction Phase	11.2 KLD
		Operational Phase	93 KLD
16.	Wastewater generation in KLD		31 KLD
17.	STP capacity in KLD & technology		90 KLD

18.	Rain water harvesting implementation, Recharge pits, Storage capacity	Sump of 75 cum, 8 nos of ground recharge pits.
19.	Traffic : nearest road - LOS - Existing & modification	Existing : B towards Airport & B toward ORR Modified : B towards Airport & B toward ORR
20.	Solid waste disposal details	Total Waste generated: 345 KG/day Organic waste : 207 kg/day Inorganic :138 kg/day. Organic waste disposal by biodegradable waste convertor and inorganic to be given to waste collectors.
21.	Cost of the Project	30 crores

The proponent was invited for the 189th SEAC meeting held on 14th, 15th, & 16th December 2017 to provide required clarification. The proponent remained absent.

The Committee decided to defer the subject providing one more opportunity to proponent with intimation that the proposal will be appraised based on merit in his absence, in case he remains absent.

The proponent was invited for the 192<sup>nd</sup> SEAC Meeting held on 30<sup>th</sup> and 31<sup>st</sup> January 2018 to provide required clarification. The proponent remained absent again.

The committee therefore decided to provide final opportunity to the proponent to present the proposal, failing which the proposal will be recommended to SEIAA for closure.

The proponent was invited for the meeting to provide required clarification and additional information. The proponent remained absent again.

The committee noted that the proponent has not submitted the village map duly marking the exact location of the project site on the map. There is a railway line just by the side of the project area and also there are water bodies in the form of natural nalas in the vicinity of the project which attracts buffer zone as per NGT order. The committee opined that since this being a crucial information and in the absence of which the project cannot be taken up for appraisal and is recommended for closure.

The committee after discussion and deliberation decided to recommend the proposal for closure.

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

**Reconsideration Subjects:**

195.27 Proposed Infrastructure (Non- Residential & Residential Building) Project at Serial Nos.51 & 43 of Lakkur Village (Sompur Hobli), Nelamangala Taluk, Bangalore District By Central Industrial Security Force (SEIAA 143 CON 2017)

Sl.No.	Items	Details				
1.	Nameoftheproject/s	Construction Of Infrastructure (Non Residential & Residential Building) For CISF 10th Re-serve Battalion at Lakkur Village, Bangalore, Karnataka				
2.	S Nointheschedule	8(a)NewBuildingandConstructionProjects				
3.	Proposed capacity / area / length / tonnagetobe handled /commandarea / leasearea / numberofwellstobedrilled	<b>Particular</b>	<b>Detail</b>			
		Proposed Capacity	--			
		Area/ Length	224033.97 sq m			
		Tonnage to be handled	--			
		Command area	224033.97 sq m			
		Lease area	224033.97 sq m			
		No of wells	Nil			
4.	New/Expansion/Modernization	New				
5.	ExistingCapacity/Areaetc.	This is a new project				
6.	CategoryofProjecti.e.'A'or'B'	Category 'B'				
7.	Doesit attractthegeneral condition?IfYes,pleasespecify.	No				
8.	Doesit attractthespecific condition?IfYes,pleasespecify	No				
9.	Location					
	Plot/Survey/ KhasraNo.	Serial no. 51 and 43				
	Village	Lakkur (Sompur Hobli)				
	Tehsil	Nelamangala				
	District	Bangalore				
	State	Karnataka				
	10.	Nearest railwaystation/ airport along withdistanceinkms.	NearestRail wayStation	Dabbaspette R.S.	2.0 km	SE direction
			Nearest Airport	Bangalore Airport	50.0 km	ESE direction

11.	Nearest town, city, district headquarters along with distance in kms.	Nearest Town	Tumkur	17.0 Km	NW direction
		Nearest District headquarter	Bangalore	50.0 Km	SE direction
12.	Village panchayats, Zila Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Village- Lakkur Village, Sompur Hobil,, Tehsil Nelamangala, District- Bangalore, State:- Karnataka			
13.	Name of the applicant	Mr. M. L. Chowhan, DIG			
14.	Registered address	Office of the Deputy Inspector General, CISF, DOS Head Quarters, Antarikshya Bhawan, New BEL Road, Bangalore -94.			
15.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a Topo	No alternative sites examined			
16.	Interlinked Project	No			
17.	Whether separate application of interlinked project has been submitted?	No			
18.	If Yes, date of Submission	Not Applicable			
19.	If no, reason	Not Applicable			
21.	Whether the proposal involves approval/clearances under: if yes, details of the same and their status to be given. The Forest (Conservation) Act, 1980? The Wildlife (Protection)	Not Applicable			
22.	Whether there is any Government Order/Policy relevant/relating to				
23.	Forest land involved (hectares)	No			

<p>24. Whether there is any litigation pending against the project and /or land in which the project is proposed to be setup? Name of the court Case No. Orders/ directions of the Court, if any and its relevance with the proposed project.</p>	<p>No</p>
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The proponent and Environmental consultant attended the 190<sup>th</sup> SEAC meeting held on 29<sup>th</sup> and 30<sup>th</sup> December 2017 to provide required clarification/additional information.

The committee while appraising the proposal observed that the proponent has not furnished the village map and traffic study details which are the basic information for appraisal of their project. Hence in the absence of village map and Traffic study details the committee could not appraise the proposal and hence decided to defer the proposal to the next meeting.


The proponent has submitted the replies vide dated: 19-1-2018 and 5-2-2018. The replies were placed before the committee for appraisal in the 193<sup>rd</sup> SEAC Meeting held on 17<sup>th</sup> February 2018.

The committee noted that the project spreads over survey numbers 51 and 43 of lakkur village. As seen from the village survey map there is a tertiary nala cutting across this area from north east direction to south west, effectively dividing the entire area into two blocks. The proponent had agreed to lay the connecting road between these two blocks at the elevated level leaving the buffer zone undisturbed except by putting up some columns. The committee observed that there are discrepancies in the conceptual plan and the proponent was advised to evolve correct conceptual plan along with the details viz., plot area, total built-up area, building configuration and number of units, height of the building, ground coverage area, landscape area and other related details.

The committee after discussion and deliberation decided to reconsider the proposal after submission of the following information:

- 1) The proponent shall submit the traffic study details and the same shall be uploaded in the eportal.
- 2) The proponent shall upload the revised concept plan along with the required information.

The proponent has submitted the replies vide letter dated : 17-3-2018.



The committee perused the replies submitted by the proponent and accepted the same which were found to be generally in order.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance:

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

195.28 Proposed Expansion of Existing Petroleum Products handling facility Project at Sy.Nos.18/1, & 18/2 of Desur Village, Desur Depot, Zadshapur Road, Belagavi District by M/s Bharat Petroleum Corporation Limited (SEIAA 04 IND 2018)

1	Particulars	Details
2	(a) Name of the project with location address.	M/s. Bharath Petroleum Corporation Limited, Desur Depot, Sy No. 18/1 and 18/2, Zadshapur Village and Post, Near Desur Railway Station Desur - 590014, Belagavi District.
	(b) Address of Project Proponent for correspondence.	M/s. Bharat Petroleum Corporation Limited, Desur Depot, Near Desur Railway station, Zadshapur Village, Belagavi - 590014
3	Objective of the Project	Expansion of total isolated storage capacity
4	Project details	Expansion of total isolated storage capacity from 16,798 KL to 18,256 KL (1,458 KL additional storage capacity) by <ul style="list-style-type: none"> <li>• Increase in the total ethanol storage capacity from 85 KL to 485 KL by the addition of 2x200 KL tanks and its associated facilities.</li> <li>• The addition of two Bio-Diesel tanks of 200 KL and 858 KL tanks.</li> </ul>
5	Details of major products manufactured (along with by-products)	Isolated storage of petroleum based and allied products.
	a) Installed capacity	16,798 KL (EC obtained vide no. SEIAA 20 IND 2010 dated 01/08/2011)
	b) Production at present	16,798 KL
	c) Proposed capacity	18,256 KL (1,458 KL additional storage capacity)
6	Details of major raw materials (quantity/month).	NA as it is a storage facility

7	Status of Organization: Government/Semi-Government /Public/Private	Public Sector
8	Investment (Rs)	For expansion: Rs. 6.65 Crores (Rupees Six Crores Sixty Five Lakhs Only)
9	Total labor force	62 Workers (No additional manpower is required for the proposed expansion)
10	Nature of land (KIADB/ KSSIDC/Revenue/Others)	Others
11	Location and land use details of the area with schematic plan.	Topo map of the project area is submitted.
12	Details of water bodies around the proposed industry.	Yellur Lake is at a distance of 3.7 km in the North Eastern direction.
13	Nature of soil	Geo technical investigation has been carried out.
14	Distance (if within 50 km) to the nearest <ul style="list-style-type: none"> <li>• National Park</li> <li>• Sanctuary</li> <li>• Heritage site</li> <li>• Monument</li> <li>• Reserve Forest</li> <li>• Protected Forest</li> <li>• Inter State boundary</li> </ul>	None None None None None None None
15	Greenery plan within industry premises including open area,% of total area & species proposed.	50,898 SQM - 12.57 acres (47.7%) of total area is reserved for green-belt. <u>Species existing:</u> Azadirachta indica (Neem Tree), Mangifera indica (Mango Tree), Psidium guajava (Peru Tree)
16	Details of source of water (rivers, lakes, ground, public supply)	Borewell
17	Water balance	Water balance chart is submitted.
18	a) Total water requirement	1 KLD
	(i) Domestic	1 KLD
	(ii) Industrial <ul style="list-style-type: none"> <li>• Process</li> <li>• Washing/Cleaning</li> <li>• Boiler feed</li> <li>• Cooling tower make- up water</li> <li>• Scrubber</li> <li>• DM softener rejects</li> </ul>	0 KLD (water is used only for domestic purpose)
	b) Total wastewater generated	0.8 KLD
	(i) Domestic sewage generated	0.8 KLD
	(ii) Leachate wastewater	NA

	(iii) Industrial (m <sup>3</sup> /day)	0 KLD		
	<ul style="list-style-type: none"> <li>Process</li> <li>Washing/Cleaning</li> <li>Boiler blow-down</li> <li>Cooling tower make-up water</li> <li>Scrubber</li> <li>DM softener rejects</li> </ul>			
	c) Effluent treatment proposal	(a) Domestic	--	
		(b) Industrial	NA	
	d) Mode of disposal (pond/ river valley/ underground sewer/irrigation/ocean/ others (specify))	Soak pit		
	e) Total area allocated for disposal of wastewater.	NA		
19	a) Details of air pollution sources	Air pollution sources		Stack height (m)
	b) Details of control equipment	DG set (kVA)	250	5 ARL
			200	3 ARL
			125	3 ARL
			7.5	0 ARL
	Fire pump (HP) - 3 nos	231	3 ARL for each	
20	a) Solid waste details	--		
	(i) Domestic	24 kg/day		
	(ii) Industrial	Hazardous waste	Quantity of hazardous waste generated	Category as per HW Rules, 2016
		Used oil from DG Sets	0.2 KL/annum	5.1
		Sludge from cleaning of petroleum product storage tanks (sludge & filters contaminated with oil - once in 5 years)	7 MT/ 5 years	3.3
21	(b) Solid waste disposal methods	i) Segregated at source, collected in bins and organic portion composted. ii) Used oil from DG Sets - authorized re-processors & sludge from storage tanks - handed over to common incineration facility or to the agency approved by Pollution Control Board.		
	(i) Domestic			
	(ii) Hazardouswaste			



22.	Ambient noise level	
	(A) Source of noise and vibrations	DG sets
	(B) Noise and vibration control measures proposed	Acoustic enclosures
23.	Power requirement indicating source of powersupply.	The total power requirement of 200 KVA is to be obtained from HESCOM.
24.	Documents submitted:	
	• Environmental Management Plan	Submitted
	• Project report	Pre-feasibility report submitted
	• Clearance of Pollution Control Board	CFO is available for storage capacity of 16,798 KL (valid upto 2021). CFE for expansion will be applied after obtaining EC.
	• Clearance approved on site Emergency Plan from the Chief Inspector of factories & Boilers.	Obtained
	• Topographical map of the area	Submitted
	• REIA	-
	• Social commitment plan	-

The proponent and Environmental appeared before the committee of 193<sup>rd</sup> SEAC Meeting held on 17<sup>th</sup> February to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application Form 1, and additional information provided during the meeting.

The proposal is for expansion of the existing capacity. The expansion is for storage of ethanol from 85 KL to 485 KL. Additionally a new product in the form of biodiesel is proposed to be stored to an extent of 1058 KL. The threshold limit for ethanol which is highly flammable is 7000 tons. Since the ethanol storage is within the limit of 7000, as per MSIHC rules 1989, the project is categorized as B2 and the appraisal is taken up accordingly.

As per the compliance to the earlier EC issued regarding discharge of waste water to septic tank and soak pit, the proponent has agreed to install modular STP before taking up expansion.

The committee observed that, the information presented during appraisal regarding EC compliance differs from the information uploaded in the e-portal. Hence the committee decided to defer the further appraisal till the same information is uploaded in the e-portal.

The committee after discussion and deliberation decided to reconsider the proposal after submission of the following information:

- 1) The proponent shall comply with the EC conditions and the same shall be uploaded in the eportal.
- 2) The proponent to submit scheme for installation of modular STP instead of septic tank and soak pit.
- 3) The proponent to submit the comparative analysis of Air and water considering at the time of earlier EC issued and at present.
- 4) The proponent to plant tree species as per norms.
- 5) The proponent to submit proposal for point recharge pits for borewells.

The proponent has submitted the replies vide letter dated: 26-3-2018.

The committee perused the replies submitted by the proponent and accepted the same which were generally found to be in order.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance.

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

*With the Permission of Chairman*

195.29 Proposed Environment Clearance for Amendment from Orange & Green category to Red Category Project at Sy. Nos.14/2, 14/3, 14/4, 15/1, 15/2, 15/3, 15/4, 15/5, 16, 17/1, 17/2, 17/3, 17/4 & 17/5 of Plot 2D-1, Obadenahalli village, Doddaballapur Taluk, Bangalore Rural District by **Karnataka Industrial Area Development Board, Bangalore (SEIAA 11 IND 2018)**

1.	Name of the Project	Amendment of EC for Sy.No's.14/2,14/3,14/4,15/1, 15/2,15/3, 15/4, 15/5, 16, 17/1,17/2,17/3,17/4 &17/5 of existing Established Industrial Area at Doddaballapur Industrial Area 3rd Phase Obadenahalli, Doddaballapur Taluk, Bangalore Rural District" from Orange & Green Category to Red Category
2	Schedule and category of project	Category B, Schedule 7(c) - Industrial area
3	Project Proponent	M/s. Karnataka Industrial Area Development Board (KIADB)
4	Project location	Doddaballapur Industrial Area 3rd Phase Obadenahalli Bengaluru Rural District - 561 205, Karnataka state.
5	Total area of extent	2818433.16 Sq.m (696.45 Acres) (or) 281.84 Ha
6	Total Built up area	10 Acres
7	New/Expansion/Mo	Modernization

	dernization			
8	Proposed Change/Modification	Amendment Proposed for 10 Acres on Plot no. 2 D-1, KIADB Industrial Area, Phase3, Obadenahalli village, Bengaluru Rural District. (Sy.No.14/2,14/3,14/4,15/1,15/2,15/3,15/4,15/5,16,17/1,17/2,17/3,17/4&17/5)		
9	Lease cost	INR 12.90 Crores		
10	EIA Consultant	Hubert Enviro Care Systems Pvt Ltd., Chennai		
11	Centre Co-ordinates of the project site	Lat: 13°16'05.7"N Lon: 77° 34'52.86" E		
12	Elevation	≈ 918 m Above MSL		
13	Present land use	Industrial		
14	Nearest Highway	Dodballapur- Bangalore NH-207 - ≈0.81 km (N)		
15	Nearest railway Station	Dodballapur railway station - ≈3.1 km (W)		
16	Nearest Airport	Bengaluru International Airport: ≈14.01Km (SE)		
17	Nearest village	Obadenahalli - ≈0.16Km (S)		
18	Nearest Major Town/City	Dodballapur - ≈3.9 km (NW)		
19	River	None within 10 Km radius		
20	Eco-sensitive region	Sl No	Forest	Distance ≈(Km)
		1	Dibbagiri RF	11.1
		2	Nandhi RF	12.34
		3	Kallukote RF	12.16
		4	Narasimhadeverabetta RF	14.04
		5	Devarabetta Extn RF	12.93
		6	Melnayakanahalli RF	14.6
		7	Ghatti Subbarayana RF	10.32
		8	RF Near Palanjogahalli	5.7
		9	Kolur RF	11.57
		10	Gundagolipura RF	9.89
		11	Hasarohatta Tank	12.93
		12	Madhure RF	14.83
		13	Yaratiganahalli RF	13.54
		14	RF near Palya	12.57
		15	Akkupet RF	12.56
	<b>Description</b>	<b>Proposed</b>		
	Manpower	Allotted Industry will provide the Construction Phase and Operation Phase Man Power Details		
	Water	Allotted Industry already has approval from SHLCC 38 for their requirement of water of 216 Cu Mtr per Day which		

	will be supplied from KIADB through their piping network. Construction Phase Water Requirement Details will be provided by allottee.
Source of water	KIADB will source water from BWSSB. It has approval of 9 MLD per day from BWSSB
Effluent Generation	Allotted Industry will provide
ETP , STP capacity	Allotted Industry will provide ETP, STP & ZLD as per lease agreement
Recycled Water	Sewage: Treated by STP and treated water will be used for gardening Effluent: Treated by ZLD System
Wastewater generation	Allotted Industry will provide the Water Balance Chart
Power Source	Allotted Industry already has approval from SHLCC 38 for their requirement of Power of 3000 kVA from BESCOM and from their own industrial sources.
Boiler	Allotted Industry will provide
DG	Allotted Industry will provide for its own power backup
Solid waste Details	<ul style="list-style-type: none"> <li>MSW generated during construction phase and operation phase of the industrial area will be segregated into biodegradable and non-bio degradable. The bio degradable waste will be converted into manure by means of composting and non bio degradable sent to the authorized dealers.</li> <li>The STP sludge will be used as manure for the green belt development. The ETP sludge and other process sludge will be disposed of to the authorized TSDF.</li> </ul>
Hazardous waste Details	<ul style="list-style-type: none"> <li>Hazardous Waste generated during the project activity will be stored in the ear marked area and disposed off/handed over to the authorized TSDF and authorized recyclers (as per Hazardous Waste Management Rules)</li> </ul>
	<ul style="list-style-type: none"> <li>Biomedical waste details shall be provided by the allottee</li> </ul>

The proposal is placed before the committee for appraisal.

The proponent and NABET accredited Environment consultants attended the meeting to provide required clarification/information.

The Proponent has stated that the modification of EC is only for plot in Sy.No.14/2,14/3,14/4,15/1,15/2,15/3,15/4,15/5,16,17/1,17/2,17/3,17/4, & 17/5, having a total area of 10 Acres. The area of the entire layout is 696.45 Acres. The proponent has also stated that he will not come for modification of EC for any other

plot in future. The proponent has stated that one season baseline studies in case of same survey number during the year 2017 by M/s. Stellis Bio pharma Pvt Ltd who is the allottee of this plot and requested for adopting the same for this appraisal. In view of this, the committee opined that since the KIADB had earlier obtained E.C on 28-3-2016 for the entire area of 696.45 Acres including the present proposal to an extent of 10 acres the one season baseline studies incase of M/s Stellis Bio pharma Pvt Ltd conducted during 2017 cannot be considered and these proposal for amendment of orange and green category to Red category project including the present proposal to an extent of 10 acres should be considered as a whole to an extent of 696.45 acres.

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

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

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

195.30 Proposed Sand Quarry Project at Sy.Nos.61, 62, 65, 66, 67, 68, 69, 70, 71, 75, 76, 77, 79, 80 & 81(P) of Chowdapura village, Bilagi Taluk, Bagalkot District (38-0 Acres) By Sri Kirankumar R. Rathod (SEIAA 20 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri Kiranakumar R. Rathod, 245, Gaddanakeri L. T., Durga Nagar Bagalkot Taluk, Bagalkot District.

2	Name & Location of the Project	"Sand Quarry at Chowdapura Sand Mining Block -1 in Krishna River Bed" over an extent of 38-00 Acres (15.378 Ha) part of Sy. No. 61, 62, 65, 66, 67, 68, 69, 70, 71, 75, 76, 77, 79, 80 & 81 (P) in Chowdapura village, Bilagi Taluk, Bagalkote District, Karnataka
3	Co-ordinates of the Project Site	Latitude: N 16° 26' 58.0" to N 16° 26' 20.0" Longitude: E 75° 26' 31.7" to E 75° 25' 57.0"
4	Type of Mineral	Ordinary Sand Quarry
5	New / Expansion / Modification / Renewal	New
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	15.378 Ha
9	Actual Depth of sand in the lease area in case of River sand	3.50m
10	Depth of Sand proposed to be removed	1.00 mtr/year
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	75,000 Tons/ annum (Maximum Capacity)
12	Quantity of Topsoil/Over burden in cubic meter	No Top soil
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	8,333.33 TPA (Maximum generation)
14	Project Cost (Rs. In Crores)	1.2 crores
15	Environmental Sensitivity	
	a. Nearest Forest	None within 5 kms
	b. Nearest Human Habitation	Chowdapur Village - 1.20 Kms(SE)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Bilagi.
	d. Water Bodies	This is a river sand mining project. The site is in Krishna River Bed
	e. Other Specify	--
16	Applicability of General Condition of the EIA Notification, 2006	Not applicable
17	Details of Land Use in Ha	
	a. Area for Mining/ Quarrying	12.62
	b. Waste Dumping Area	0.045(Inside the Mineable area itself for

			Backfilling)	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	--	
	g.	Green Belt Area	2.803	
	h.	Unexplored area	--	
	i.	Others Specify	--	
18	Method of Mining/ Quarrying		Semi-Mechanised Method	
19	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	5.0 KLD
			Domestic	1.1 KLD
			Other	1.2 KLD
			Total	7.3 KLD
20	Storm water management plan		River course will not be altered hence no storm water management plan is required	

The Proponent and Environment consultant attended the meeting to provide required clarification and information

The committee noted that as per the combined sketch produced by DMG there is another block with an area of 12 acres within 500 meters. The combined area of the project which is under appraisal and another block within 500 meter is 50 acres which is less than the threshold limit of 25 hectares. Hence treated as individual project and appraised accordingly.

As per the plan and section of the sand block now submitted, the average width of the block is 100 meter and the average width of the river is 430 meters and the buffer left on both the rightside is 282 meters and on the left side banks is 48 meter. The length of block considered for mining is 1550 meter. The average level of the top of the deposit is 511 meter and average RL of dry weather flow is 508.6 meter. The depth of the deposits is 3.0 meter and depth of mining proposed is 1.0 meter thus the bottom level of the quarrying pit will be 1.40 meter above dry weather flow. The proponent has proposed to take up mining by dividing the mining area into two sub blocks and taking up mining in one sub block each year and after two years he has proposed to take up mining by dividing into three sub blocks and taking up mining in one block each year i.e., 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> year. The proponent has also stated that he will take further mining after two years only after complete replenishment thus keeping the depth of mining to 1.0 meter at any point of time during the mining.

The proponent has stated that he has identified the land for stock yard at a distance of 180 meter from the river bank which is on the private land for which he has stated he has entered into an MOU with land owner. He has also stated that there is an existing cart track road connecting river bank with the stockyard and proceeds further to join

the existing black topped village road at 1100 meters. It is envisaged with a production plan of 3,19,920 tonns excluding wastages with a lease period of five years.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following conditions:

- 4) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
- 5) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
- 6) The overall depth of mining shall not exceed one meter from the top level at any point of time during the lease period.

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

195.31 Proposed Expansion of Sugar plant project at Sy.No.7, 92, 93, 195, 198, 199, 201, 202, 203 & 206 of Badagalli village, Girisagar Gram Panchayat, Biligi Taluk, Bagalkot District By M/s. Bilagi Sugar Mill Ltd (SEIAA 10 IND 2018)

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. K. A. Aziz Executive Vice President, M/s. Bilagi Sugar Mill Limited, Badagandi Village, Girisagar Gram Panchayat, Bilagi Taluk, Dist: Bagalkote
2	Name & Location of the Project	Survey Numbers 7, 92, 93, 195, 198, 199, 201, 202, 203 & 206 falling under the revenue limits of Badagandi Village, Girisagar Gram Panchayat, Bilagi Taluk, Bagalkote district
3	Co-ordinates of the Project Site	16° 21' 18.18" N, 75° 39' 54.86" E
4	Environmental Sensitivity	
	a. Distance from nearest Lake/River/Nala	Alamatti reservoir back water is the major water body & is located at a distance of 5.906 kms in East direction from the project site.
	b. Distance from Protected area notified under wildlife protection act	Not Applicable
	c. Distance from interstate boundary	Karnataka - Maharashtra state boundary - 150 KM



	d	Whether located in critically/severally polluted area as per the CPCB norms	No
5		Type of Development as per schedule of EIA Notification, 2006 with relevant serial number	5(J) > 5000 TCD cane crushing 1(d) Biomass based Thermal Power plants >15 MW
6		New/ Expansion/Modification/product mix change	Expansion
7		Plot Area (Sq m)	299552
8		Built up area (Sq m)	64768 Sq m
9		Component of development	
10		Project cost (Rs. in Crores)	Rs.280 Crores
11		Details of Land Use (Sq m)	
	a.	Ground Coverage Area	
	b.	Kharab Land	
	c.	Internal Roads	
	d.	Paved area/open space	
	e.	Parking	
	f.	Green belt	62136
	g.	Others Specify	
	h.	Total	299552 SQM
12		Products and By-Products with quantity (enclose as Annexure if necessary)	Sugar - 30000 MT/M, Molasses - 15000 MT/M Bagasse - 84000 MT/M Press mud - 13500 MT/M Electricity - 60 MW hr
13		Raw material with quantity and their source (enclose as Annexure if necessary)	Sugarcane - 180000 MT/M, locally available. Lime -306 MT/M Sulphur -108 MT/M
14		Mode of transportation of Raw material and storage facility	Using bullock carts and trucks
15		Transportation and storage facility for coal/Bio-fuel in case of thermal power plant	Adequate Storage Tanks are provided.
16		Fly ash production, storage and disposal details whereas coal is used as fuel	The generated fly ash shall be used in composting/manure/Brick manufacturing.
17		Complete process flow diagram and technology employed	The complete flow diagram is given in Pre-Feasibility report.
18		Details of plant and machinery with	Currently 5000 TCD of Sugar Mill and

	capacity/ Technology used	30 MW Co-generation plant installed.	
19	Details of VOC emission and control measures wherever applicable	All necessary air pollution control devices such as ESP installed. The vehicles are regularly serviced and properly maintained.	
20	WATER		
	I. Construction Phase	Not Applicable	
	a. Source of water	Krishna River	
	b. Quantity of water for construction in KLD	Minimal quantity of water will be required for construction as most of the expansion activity proposed is mechanical oriented/pre-fabricated.	
	c. Quantity of water for domestic purpose in KLD	80 KLD	
	d. Waste water generation in KLD	Minimal wastewater generation from construction activity. Wastewater, if any generated shall be treated in existing soak pit.	
	e. Treatment facility proposed and scheme of disposal of treated water	Existing ETP shall be utilized for wastewater treatment	
	II Operational Phase		
	a. Source of water	Krishna River water	
	b. Total requirement of water in KLD	Fresh	1364
		Recycled	3000
		Total	4364
	c. Requirement of water for industrial purpose/ production in KLD	Fresh	1364
		Recycled	3000
		Total	4364
	d. Requirement of water for domestic purpose in KLD	Fresh	80
		Recycled	0
		Total	80
	e. Waste water generation in KLD	Industrial effluent	900
		Domestic sewage	65
		Total	965
	f. ETP/STP capacity	1000 KLD ETP	
	g. Technology employed for treatment	Both aerobic & anaerobic treatment methods with the state of art Bio-tower & diffused aeration technologies.	
	h. Scheme of disposal of excess treated water if any	The wastewater shall be treated in in-house ETP and the treated wastewater shall be re-used for greenery.	

21	Infrastructure for rain water harvesting	Storm water drains are provided throughout the facility taking topography into consideration. The storm water drains are connected to rain water collection chamber. The rain water thus collected is used for greenbelt, vehicle washing etc., after treatment, if necessary.	
22	Storm water management plan		
23	Air Pollution		
	a.	Sources of air pollution	Emissions from Boilers and DG set and during vehicular movement.
	b.	Composition of Emissions	Particulate matter, SO <sub>2</sub> , NO <sub>x</sub> , CO etc.,
	c.	Air pollution control measures proposed and technology employed	<p>Air Pollution Control Devices (APCDs) including ESPs to comply with emission standards prescribed Also, the Boiler will be provided with a 92 m stack.</p> <p>The emissions from the DG sets are minimal since they will be operated only during power failures.</p> <p>All the vehicles will be regularly serviced and maintained properly to minimize emissions.</p> <p>All the internal roads will be maintained properly to minimize dust generation.</p>
24	Noise Pollution		
	a.	Sources of Noise pollution	Source of noise pollution will be from compressors and DG set,
	b.	Expected levels of Noise pollution in dB	<70 dB
	c.	Noise pollution control measures proposed	All the equipment/vehicles shall be regularly maintained. Employees will be provided with PPE like ear plugs, helmets, safety shoes, etc. as necessary. Greenbelt will be further developed all along the boundary and along the roads for reducing the noise levels within the project.
25	WASTE MANAGEMENT		
	I.	Operational phase	
	a.	Quantity of solid waste generated per day and their	A maximum of about 25 to 50 kilograms of solid waste will be generated per day. To prevent cross-contamination,
		Biodegradable Non-	

	disposal	Biodegradable	solid waste generated within the premises shall be disposed appropriately. Bagasse will be used as fuel for boilers.
	b.	Quantity of Hazardous Waste generation with source and mode of disposal as per norms	Waste oil from DG set will be sent to authorized dealers for disposal
	c.	Quantity of E Waste generation with source and mode of disposal as per norms	E-waste generation is expected to be minimal. E-waste if any generated will be sent to authorized recyclers for disposal.
26		Risk assessment and disaster management	Risk assessment and disaster management studies will be provided in detail in EIA Report
27	POWER		
	a.	Total Power Requirement in the Operational Phase with source	To run 10000 TPD & 60 MW plant, around 12.5 MW is the requirement of power which will be obtained from 60MW cogeneration plant. Excess will be connected to the grid.
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Two DG sets of 250 kVA & 500 KVA will be used for emergency power backup.
	c.	Details of fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Boiler and DG set are the prime fuel consuming equipment in the facility. Bagasse and coal will be used as fuel for Boiler and High Speed Diesel (HSD) will be used as fuel for DG set.
	d.	Energy Conservation plan and percentage of savings including plan for utilization of solar energy as per ECBC 2007	LED lighting shall be preferred. Energy efficient equipment shall be utilized. Solar lighting shall be installed for street lighting.
28	PARKING		
	a.	Parking requirement as per norms	Provided.
	b.	Internal Road width (RoW)	5 m
29	Any other information specific to the project (Specify)		

The proponent was invited for the meeting to provide additional information and clarification.

The Proponent and Environmental consultants attended the meeting to provide clarification/additional information.

The committee screened the proposal considering the information provided in the statutory application-Form-I, Prefeasibility report, ToRs proposed and clarification/additional information provided during the meeting.

The committee noted that this is a proposed expansion of existing 5000 TCD to 10000 TCD and 30 MW Co-generation to 60 MW Co-generation by M/s. Bilagi Sugar Mill Ltd at Badagandi Village, Girisagar Gram Panchayat, Bilagi Taluk, Bagalkote district, Karnataka State.

The Committee after discussion decided to consider the proposal as B1 and decided to recommend the proposal to SEIAA for issue Standard ToRs with following additional ToRs for conducting EIA study in accordance with EIA Notification 2006 and the relevant guidelines.

**Additional TORs.**

- 1) Scheme for odour management may be detailed.
- 2) Scheme for converting press mud into compost to be detailed.
- 3) Details of other nearby sugar industries with distance from the proposed plant to be furnished.
- 4) Details of villages in 10 km radius with distance from the plant.
- 5) Details of CFE and CFO with compliance to the same be furnished.
- 6) Chimney height to be evaluated and justified.
- 7) Steps taken to increase the efficiency of Steam conservation and utilization in the process.

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

195.32 "Assetz Titan" Proposed Residential Apartment Projects at Sy.Nos.58/1, T.C Palya Main Road, Bhattarahalli Village, Bidarahalli Hobli, Bengaluru East Taluk Bengaluru Dist by M/s APG Adobe Homes Pvt Ltd., (SEIAA 58 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. APG ABODE HOMES PVT. LTD., 2/1, Embassy Icon Annex, 2nd Floor, Infantry Road, Bengaluru - 560001
2	Name & Location of the Project	ASSETZ TITAN Survey Nos. 58/1, T C Palya Main Road, Bhattarahalli Village, Bidarahalli Hobli Bengaluru East, Bengaluru
3	Co-ordinates of the Project Site	13° 1'18.88"N 77°42'21.33"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.)	Bhattarahalli Lake is at a distance of 300m North of the Project.
b.	Type of water body at the vicinity of the project site and Details of Buffer	Tertiary Nala was noticed near the North East corner of the project site. The Nala is at a

	provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	distance of 15 - 20m from project survey boundary. The 25m buffer zone from the edge of this tertiary nala will be within the proposed road widening area.
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital / other	Residential - 334 Flats (223 3BHK + 111 2BHK)
b.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)	4 Acres 7 Guntas (16,896Sq.m)
7	Built Up area (Sqm)	61,376.25Sq.m
8	Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	2 Buildings Building 1 - 1 Basement Floor + Ground Floor + 14 Upper floors + Terrace Floor(Maximum). Building 2 - The club house with amenities viz., Swimming Pool, Gym, Party Area, Indoor games room, etc., is proposed in Ground Floor + 1 Upper Floor.
9	Number of units in case of Construction Projects	334 Flats (223 3BHK + 111 2BHK)
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	160 Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	4,713.0Sq.m
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	5,521Sq.m
d.	Internal Roads	4,768.5Sq.m
e.	Paved area	1,893.5 Sq.m
f.	Others Specify	--
g.	Parks and Open space in case of Residential Township/ Area Development Projects	Not Applicable
h.	Total	16,896Sq.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	Not Applicable

	use as per Construction and Demolition waste management Rules 2016, If Applicable		
b.	Total quantity of Excavated earth (in cubic meter)	17,500 Sq.m	
c.	Quantity of Excavated earth proposed to be used in the Project site (in cubic meter)	17,500 Sq.m	
d.	Excess excavated earth (in cubic meter)	Nil	
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Not Applicable	
15	WATER		
I.	Construction Phase		
a.	Source of water	Treated water from nearby Projects	
b.	Quantity of water for Construction in KLD	10KLD	
c.	Quantity of water for Domestic Purpose in KLD	20KLD	
d.	Waste water generation in KLD	17KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	Septic Tank and BWSSB Sewer	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	177KLD
		Recycled	86KLD
		Total	263KLD
b.	Source of water	BWSSB, Rooftop rainwater & Treated Water	
c.	Waste water generation in KLD	237KLD	
d.	STP capacity	240KLD x 1No.	
e.	Technology employed for Treatment	Sequencing Batch Reactor Technology	
f.	Scheme of disposal of excess treated water if any	Treated water will be used for toilet flushing, landscaping, etc.	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	1 no. of 70 cu.m capacity Rooftop Rainwater Harvesting Sump	
b.	No's of Ground water recharge pits	10 Nos.	
17	Storm Water Management plan	14 recharge pits of 1.2m Diameter & 3m Depth are proposed along the internal storm water drain. Quantity of Rooftop Rain water - 70cu.m Storm Water Drain of size 0.3m x 0.3m along the boundary of the project site	
18	WASTE MANAGEMENT		

I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	20kg/ day of solid waste shall be disposed through BBMP waste management contractors
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	350kg/ day Organic Waste Converter
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	525kg/ day Local Authorized Recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	150 kg/ annum Authorized Agencies
d.	Quantity of E waste generation and mode of Disposal as per norms	20 kg/ annum Authorized Agencies
19	POWER	
a.	Total Power Requirement - Operational Phase	2294KVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	320KVA x 2No.
c.	Details of Fuel used for DG Set	Low Sulphur High Speed Diesel (HSD) with Sulphur content less than 50ppm
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Solar lighting (Street and Landscape) BEE Star rated electromechanical systems shall be used in the development Solar Water Heating systems for top 2 floor Use of Copper wound transformer Use of HF ballast for lighting Use of LED light fittings Building Orientation Total Savings - 18%
20	PARKING	
a.	Parking Requirement as per norms	444 Nos.
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	T C Palya Main Road - B National Highway - 4 - B
c.	Internal Road width (RoW)	8m

The proponent and Environmental consultant attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting.



The committee while appraising the proposal observed from the village survey map, that there are no water bodies within the project site either in the form of lakes or natural nalas. However, there is a nala on the eastern side of the proposed site and it appears to be 10 to 15 meters away from the boundary of the survey number 58 wherein the project is proposed to come up. The proponent has stated that he has left 16 meter setback within this project site, hence the effective distance from the edge of the nala will be more than 25 meter as per the NGT order.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall install mobile STP instead of septic tank and soak pit during construction phase.

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

195.33 Proposed Sand Quarry Project in BLY-OSB-10 at Sy.No.414 of Hiresobati Village, H.B Halli Taluk, Ballari District (17.29 Acres) by Sri. Mahendra Halappa Mundawada (SEIAA 21 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	<b>Mahendra Halappa Mundawada</b> Proprietor Sri. Shivayogeshwara Transport Co., Door No. 1717, Aravind Nagara, Hosapete, Ballari District , Karnataka State
2	Name & Location of the Project	"Sand Quarry at Hiresobati Sand Mining Block - BLY - OSB-10 in Hagari River Bed" over an extent of 17.29 Acres (7.00 Ha) part of Sy. No. 414 of Hiresobati village, H B Halli Taluk, Bellary District, Karnataka
3	Co-ordinates of the Project Site	Latitude: N15 <sup>o</sup> 06' 43.5" to N15 <sup>o</sup> 06' 33.7" Longitude: E76 <sup>o</sup> 09' 43.6" to E76 <sup>o</sup> 09' 41.8"
4	Type of Mineral	Ordinary Sand Quarry
5	New / Expansion / Modification / Renewal	New

6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	7.0 Ha		
9	Actual Depth of sand in the lease area in case of River sand	3.00m		
10	Depth of Sand proposed to be removed	1.0 mtr/year		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	30,000 Tons/annum (Maximum Capacity)		
12	Quantity of Topsoil/Over burden in cubic meter	No Top soil		
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	1,579 TPA (Maximum Yield)		
14	Project Cost (Rs. In Crores)	0.98 crores		
15	Environmental Sensitivity			
	a.	Nearest Forest	None within 5 kms	
	b.	Nearest Human Habitation	Hiresobati Village - 1.50 Kms(SW)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in H B Halli.	
	d.	Water Bodies	This is a river sand mining project. The site is in Hagari River Bed	
	e.	Other Specify	--	
16	Applicability of General Condition of the EIA Notification, 2006			
17	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	5.83	
	b.	Waste Dumping Area	0.035	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	--	
	g.	Green Belt Area	1.116	
	h.	Unexplored area	--	
	i.	Others Specify	0.019 (Screening Area)	
18	Method of Mining/ Quarrying		Semi-Mechanised Method	
19	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	11.25 KLD
			Domestic	1.125 KLD

		Other	1.225 KLD
		Total	13.6 KLD
20	Storm water management plan	River course will not be altered hence no storm water management plan is required	

The proponent and Environmental consultant attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the Statutory Application Form 1, pre-feasibility report, approved quarry plan, EMP and additional information provided during the meeting.

The committee noted that earlier this proposal was appraised and recommended for issuance of EC. The SEIAA noticed certain discrepancies in the details notified in the application and the details presented to the committee based on which the appraisal was made. The SEIAA has opined that it amounts to misleading the committee and rejected the proposal. The objection is mainly about the mode of mining, the mode of mining proposed in application was manual and whereas in the details submitted to the committee the mode of mining proposed was semi mechanized.

The proponent further made out a fresh application to SEIAA requesting to consider the proposal and SEIAA further passed on this proposal to SEAC for appraisal.

As per the combined sketch prepared and produced by DMG there are two lease areas within 500 meter distance and the combined area of these two blocks is 14 Hectares which is less than the threshold limit of 25 Hectares. Hence the proposal is treated as an individual proposal and appraised accordingly

As per the plan and section of the sand block now submitted average width of the block is 95.75 meter and average width of the river is 135 meters and the buffer left on both the right is 23.25 meters and on the left side banks it is 16 meter. The length of block considered for mining is 731 meter. The average level of the top of the deposit is 500 meter and average RL of dry weather flow is 497.8 meter. The depth of the deposits is 3.0 meter and depth of mining proposed is 1.0 meter thus the bottom level of the quarrying pit will be 1.20 meter above dry weather flow. The proponent has proposed to take up mining by dividing the mining area into two sub blocks and taking up mining in one sub block each year and after two years he has proposed to take up mining by dividing into three sub blocks and taking up mining in one block each year i.e., 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> year. The proponent has also stated that he will take further mining after two years only after complete replenishment thus keeping the depth of mining to 1.0 meter at any point of time during the mining.

The proponent has stated that he has identified the land for stock yard at a distance of 140 meter from the river bank which is on the private land for which he has stated he

has entered into an MOU with land owner. He has also stated that there is an existing cart track road connecting river bank with the stockyard and proceeds further to join the existing black topped village road at 300 meters. It is envisaged with a production plan of 95,327 tons excluding wastages with a lease period of five years.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following conditions:

- 1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
- 2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
- 3) The overall depth of mining shall not exceed one meter from the top level at any point of time during the lease period.

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

195.34 Proposed sand quarry project in BLY-OSB-11 at Sy.No.414 of Hiresobati village, H.B. Halli Taluk, Ballari District (17.29 Acres) by Sri P. Chandrashekhar (SEIAA 22 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	P. Chandrashekhar PWD Contractor Myasakeri, Sandur Road 33rd Ward, HOSPET-583201 Ballari District , Karnataka State
2	Name & Location of the Project	"Sand Quarry at Hiresobati Sand Mining Block - BLY-OSB-10 in Hagari River Bed" over an extent of 17.29 Acres (7.00 Ha) part of Sy. No. 414 of Hiresobati village, H B Halli Taluk, Bellary District, Karnataka
3	Co-ordinates of the Project Site	Latitude: N15° 06' 21.3" to N15° 06' 06.5" Longitude: E76° 09' 52.8" to E76° 10' 09.0"
4	Type of Mineral	Ordinary Sand Quarry
5	New / Expansion / Modification / Renewal	New
6	Type of Land [ Forest, Government Revenue, Gomal,	Government Revenue Land

	Private/Patta, Other]			
7	Whether the project site fall within ESZ/ESA		No	
8	Area in Ha		7.0 Ha	
9	Actual Depth of sand in the lease area in case of River sand		3.00m	
10	Depth of Sand proposed to be removed		1.0 mtr/year	
11	Annual Production Proposed (Metric Tons/ CUM) / Annum		30,000 Tons/annum (Maximum Capacity)	
12	Quantity of Topsoil/Over burden in cubic meter		No Top soil	
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		1,579 TPA (Maximum Yield)	
14	Project Cost (Rs. In Crores)		0.98 crores	
15	Environmental Sensitivity			
	a.	Nearest Forest	None within 5 kms	
	b.	Nearest Human Habitation	Hiresobati Village - 1.60 Kms(SW)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in H B Halli.	
	d.	Water Bodies	This is a river sand mining project. The site is in Hagari River Bed	
	e.	Other Specify	--	
16	Applicability of General Condition of the EIA Notification, 2006			
17	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	5.83	
	b.	Waste Dumping Area	0.038	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	--	
	g.	Green Belt Area	1.113	
	h.	Unexplored area	--	
	i.	Others Specify	0.019 (Screening Area)	
18	Method of Mining/ Quarrying		Semi-Mechanised Method	
19	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	11.25 KLD
			Domestic	1.125 KLD
			Other	1.225 KLD
			Total	13.6 KLD

20	Storm water management plan	River course will not be altered hence no storm water management plan is required
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The proponent and Environmental consultant attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the Statutory Application Form 1, pre-feasibility report, approved quarry plan, EMP and additional information provided during the meeting.

The committee noted that earlier this proposal was appraised and recommended for issuance of EC. The SEIAA noticed certain discrepancies in the details notified in the application and the details presented to the committee based on which the appraisal was made. The SEIAA has opined that it amounts to misleading the committee and rejected the proposal. The objection is mainly about the mode of mining, the mode of mining proposed in application was manual and whereas in the details submitted to the committee the mode of mining proposed was semi mechanized.

The proponent further made out a fresh application to SEIAA requesting to consider the proposal and SEIAA further passed on this proposal to SEAC for appraisal.

As per the combined sketch prepared and produced by DMG there are two lease areas within 500 meter distance and the combined area of these two blocks is 14 Hectares which is less than the threshold limit of 25 Hectares. Hence the proposal is treated as an individual proposal and appraised accordingly

As per the plan and section of the sand block now submitted average width of the block is 104 meter and average width of the river is 135 meters and the buffer left on both the right side is 16 meters and on the left side banks it is 15 meter. The length of block considered for mining is 670 meter. The average level of the top of the deposit is 502 meter and average RL of dry weather flow is 499.8 meter. The depth of the deposits is 3.0 meter and depth of mining proposed is 1.0 meter thus the bottom level of the quarrying pit will be 1.20 meter above dry weather flow. The proponent has proposed to take up mining by dividing the mining area into two sub blocks and taking up mining in one sub block each year and after two years he has proposed to take up mining by dividing into three sub blocks and taking up mining in one block each year i.e., 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> year. The proponent has also stated that he will take further mining after two years only after complete replenishment thus keeping the depth of mining to 1.0 meter at any point of time during the mining.

The proponent has stated that he has identified the land for stock yard at a distance of 172 meter from the river bank which is on the private land for which he has stated he has entered into an MOU with land owner. He has also stated that there is an existing cart track road connecting river bank with the stockyard and proceeds further to join

the existing black topped village road at a distance of 600 meters. It is envisaged with a production plan of 95,941 tons excluding wastages with a lease period of five years.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following conditions:

- 1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
- 2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
- 3) The overall depth of mining shall not exceed one meter from the top level at any point of time during the lease period.

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

195.35 Proposed sand quarry project in BLY-OSB – 12 at Sy.Nos.01,02,03 & 04 of Itagi Vilalge, hospete Taluk, Ballari District (22.239 Acres) by Sri J.D Manjunatha (SEIAA 23 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	J.D. Manjunatha Po. No. 44D, 33rd Ward Lakshmi Venkateshwara Krupa Myasakeri, 5th Cross HOSPET-583201, Ballari District, Karnataka State
2	Name & Location of the Project	"Sand Quarry at Itagi Sand Mining Block - BLY – OSB-12 in Tungabhadra River Bed" over an extent of 22.239 Acres (9.00 Ha) part of Sy. No. 01, 02, 03 & 04 of Itagi village, Hospet Taluk, Bellary District, Karnataka
3	Co-ordinates of the Project Site	Latitude: N15° 28' 29.0" to N15° 28' 31.6" Longitude: E76° 41' 31.2" to E76° 41' 29.2"
4	Type of Mineral	Ordinary Sand Quarry
5	New / Expansion / Modification / Renewal	New
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land
7	Whether the project site fall	No

	within ESZ/ESA			
8	Area in Ha		9.0 Ha	
9	Actual Depth of sand in the lease area in case of River sand		3.00m	
10	Depth of Sand proposed to be removed		1.0 mtr/year	
11	Annual Production Proposed (Metric Tons/ CUM) / Annum		30,000 Tons/annum (Maximum Capacity)	
12	Quantity of Topsoil/Over burden in cubic meter		No Top soil	
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		1,579 TPA (Maximum Yield)	
14	Project Cost (Rs. In Crores)		0.98 crores	
15	Environmental Sensitivity			
	a.	Nearest Forest	None within 5 kms	
	b.	Nearest Human Habitation	Itagi Village - 1.40 Kms(SW)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in H B Halli.	
	d.	Water Bodies	This is a river sand mining project. The site is in Tungabhadra River Bed	
	e.	Other Specify	--	
16	Applicability of General Condition of the EIA Notification, 2006			
17	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	7.60	
	b.	Waste Dumping Area	1.40	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	--	
	g.	Green Belt Area	--	
	h.	Unexplored area	--	
	i.	Others Specify	--	
18	Method of Mining/ Quarrying		Semi-Mechanised Method	
19	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	11.45 KLD
			Domestic	1.125 KLD
			Other	1.225 KLD
			Total	13.8 KLD
20	Storm water management plan		River course will not be altered hence no storm water management plan is required	



The proponent and Environmental consultant attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the Statutory Application Form 1, pre-feasibility report, approved quarry plan, EMP and additional information provided during the meeting.

The committee noted that earlier this proposal was appraised and recommended for issue of EC. The SEIAA noticed certain discrepancies in the details notified in the application and the details presented to the committee based on which the appraisal was made. The SEIAA has opined that it amounts to misleading the committee and rejected the proposal. The objection is mainly about the mode of mining, the mode of mining proposed in application was manual and whereas in the details submitted to the committee the mode of mining proposed was semi mechanized.

The proponent further made out a fresh application to SEIAA requesting to consider the proposal and SEIAA further passed on this proposal to SEAC for appraisal.

As per the combined sketch prepared and produced by DMG there is no other lease areas within 500 meter distance. Hence the proposal is treated as an individual proposal and appraised accordingly

As per the plan and section of the sand block now submitted average width of the block is 108.6 meter and average width of the river is 452 meters and the buffer left on both the right is 293.4 meters and on the left side banks it is 48 meter. The length of block considered for mining is 828 meter. The average level of the top of the deposit is 377.5 meter and average RL of dry weather flow is 374.6 meter. The depth of the deposits is 3.0 meter and depth of mining proposed is 1.0 meter thus the bottom level of the quarrying pit will be 1.90 meter above dry weather flow. The proponent has proposed to take up mining by dividing the mining area into five sub blocks and taking up mining in one sub block each year.

The proponent has stated that he has identified the land for stock yard at a distance of 160-meter from the river bank which is on the private land for which he has stated he has entered into an MOU with land owner. He has also stated that there is an existing cart track road connecting river bank with the stockyard and proceeds further to join the existing black topped village road at 1100 meters. It is envisaged with a production plan of 1,24,291 tons excluding wastages with a lease period of five years.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following conditions:

- 1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
- 2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
- 3) The overall depth of mining shall not exceed one meter from the top level at any point of time during the lease period.

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

195.36 Proposed Building Stone / M-sand Quarry project at Sy.No.57 of Neelagondanahalli village, Koratagere Taluk, Tumkur district (14-0 Acres) by Sri B. Kumar Swamy (SEIAA 18 MIN 2018)

Sl. No	PARTICULARS	INFORMATION																								
1	Name & Address of the Project Proponent	Sri. B. Kumar Swamy, S/o. Late Siddappa, #53, IInd Floor, Empire Towers, Railway Parallel Road, Kumara Park West, Bengaluru- 560 020.																								
2	Name & Location of the Project	Sri. B. Kumar Swamy, Building Stone/M-Sand Quarry, Part of Sy. No. 57, Neelagondanahalli Village, Kolala Hobli, Kotaragere Taluk, Tumkur District.																								
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th colspan="3">GPS CO-ORDINATES DATUM-WGS-84</th> </tr> <tr> <th>BOUNDARY POINTS</th> <th>LATTITUDE</th> <th>LONGITUDE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>13°26'20.1"</td> <td>77°14'37.4"</td> </tr> <tr> <td>B</td> <td>13°26'14.5"</td> <td>77°14'36.2"</td> </tr> <tr> <td>C</td> <td>13°26'14.8"</td> <td>77°14'28.8"</td> </tr> <tr> <td>D</td> <td>13°26'18.6"</td> <td>77°14'28.8"</td> </tr> <tr> <td>E</td> <td>13°26'18.6"</td> <td>77°14'21.5"</td> </tr> <tr> <td>F</td> <td>13°26'20.8"</td> <td>77°14'20.4"</td> </tr> </tbody> </table>	GPS CO-ORDINATES DATUM-WGS-84			BOUNDARY POINTS	LATTITUDE	LONGITUDE	A	13°26'20.1"	77°14'37.4"	B	13°26'14.5"	77°14'36.2"	C	13°26'14.8"	77°14'28.8"	D	13°26'18.6"	77°14'28.8"	E	13°26'18.6"	77°14'21.5"	F	13°26'20.8"	77°14'20.4"
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F	13°26'20.8"	77°14'20.4"																								
4	Type of Mineral	Building Stone																								
5	New / Expansion / Modification / Renewal	New																								
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta,	Govt. Kharab Lands																								

	Other]	
7	Whether the project site fall within ESZ/ESA	Not Applicable
8	Area in Ha	5.666 Ha. (14-00 acres)
9	Actual Depth of sand in the lease area in case of River sand	Not Applicable
10	Depth of Sand proposed to be removed in case of River sand	Not Applicable
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	Not Applicable
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	New Proposal
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	The envisaged proposed maximum Production of 1,50,081 tons per annum.
14	Quantity of Topsoil/Overburden in cubic meter	Nil
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Average 960 cubic meters/annum of overburden & 1,044 cubic meters of waste (mining losses).
16	Project Cost (Rs. In Crores)	1.00 Crore
17	Environmental Sensitivity	
	a. Nearest Forest	Devarayadurga State Forest is situated towards south-west about 2.30 kms.
	b. Nearest Human Habitation	Mannur Thimmanahalli Village is about 0.50 kms & Neelagondanahalli Village is about 0.80 kms.
	c. Educational Institutes, Hospital	The Villages in the buffer zone have primary educational facilities and higher education & technical courses are available at Koratagere village about 12.00 kms from the Quarry lease. The Govt. First Grade College is situated in Mannur Thimmanahalli & Irakasandra Villages.
	d. Water Bodies	Mannur Thimmanahalli Tank is situated about

			750 meters towards North side																		
	e.	Other Specify	There is approach road closeby to the quarry site at a distance of 0.40 km (by road) the nearest Temple & water body is about 350m & 750m respectively from the quarry site. Govt. First Grade College is situated about 560 meters from the proposed quarry site.																		
18	Applicability of General Condition of the EIA Notification, 2006		Not applicable																		
19	Details of Land Use in Ha: 5.666 Ha. (14-00 acres)																				
	a.	Area for Mining/ Quarrying	2.370																		
	b.	Waste Dumping Area	0.180 (temporary dump)																		
	c.	Top Soil Storage Area	Nil																		
	d.	Mineral Storage Area	0.134																		
	e.	Infrastructure Area	0.090																		
	f.	Road Area	0.060																		
	g.	Green Belt Area	Nil																		
	h.	Unexplored area	2.672																		
	i.	Others Specify	0.160																		
20	Method of Mining/ Quarrying		Semi Mechanized Method of opencast quarrying																		
21	Rate of Replenishment in case River sand project		Not Applicable																		
22	Water Requirement		06 KLD/day																		
	a.	Source of water	Bore well is situated towards South side about 1.10 kms from the quarry site & is the source of water used for drinking. Separate arrangements shall be made for non-domestic purposes																		
	b.	Total Requirement of Water in KLD	<table border="1"> <thead> <tr> <th>SL. No.</th> <th>Particulars</th> <th>(KLD)</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Drinking</td> <td>1.50</td> </tr> <tr> <td>02</td> <td>Dust suppression</td> <td>2.00</td> </tr> <tr> <td>03</td> <td>Afforestation</td> <td>1.50</td> </tr> <tr> <td>04</td> <td>Miscellaneous</td> <td>1.00</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Total</b></td> <td><b>6.00</b></td> </tr> </tbody> </table>	SL. No.	Particulars	(KLD)	01	Drinking	1.50	02	Dust suppression	2.00	03	Afforestation	1.50	04	Miscellaneous	1.00	<b>Total</b>		<b>6.00</b>
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01	Drinking	1.50																			
02	Dust suppression	2.00																			
03	Afforestation	1.50																			
04	Miscellaneous	1.00																			
<b>Total</b>		<b>6.00</b>																			

23.	Storm water management plan	The proposals for construction of check dams, retaining walls/safety bunds & garland drains are provided and shall be implemented as per the EMP protective measures and guidelines issued by SEIAA in this regard.
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The proponent and Environmental consultants attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the Statutory Application Form 1, pre-feasibility report, approved quarry plan, EMP, Approved quarry plan and additional information provided during the meeting. The anticipated ROM building stone is 7,04,565 metric tons for a period of five years. It is envisaged with a production plan of 6,90,474 metric tons i.e., saleable building stone (98% of ROM) excluding wastages over a period of five years.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following additional conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.
3. The Proponent to plant broad leaved native tree species like Ala, Arali, Honge etc.
4. The project proponent shall provide high dust proof fencing all along the lease boundary.

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

**195.37 Proposed Building stone / M-sand Quarry Project at Sy.Nos.04 of Siddapura village, Koratagere Taluk, Tumkur District (14-20 Acres) by Sri. B Nagana Gouda (SEIAA 19 MIN 2018)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. B. Naganagouda, S/o. Late Kumargouda, #53, IInd Floor, Empire Towers, Railway Parallel Road, Kumara Park West, Bengaluru- 560 020.
2	Name & Location of the Project	Sri. B. Naganagouda, Building Stone/ M-Sand Quarry, Part of Sy. No. 04, Siddapura Village, Kolala Hobli, Kotaragere Taluk, Tumkur District.

3	Co-ordinates of the Project Site	GPS CO-ORDINATES DATUM-WGS-84		
		BOUNDARY POINTS	LATTITUDE	LONGITUDE
		A	13°25'11.2"	77°14'07.2"
		B	13°25'07.6"	77°14'06.3"
		C	13°25'04.2"	77°14'01.7"
		D	13°25'01.3"	77°13'59.9"
E	13°25'10.5"	77°13'54.8"		
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt. Gomala Lands		
7	Whether the project site fall within ESZ/ESA	Not Applicable		
8	Area in Ha	5.870 Ha. (14-20 acres)		
9	Actual Depth of sand in the lease area in case of River sand	Not Applicable		
10	Depth of Sand proposed to be removed in case of River sand	Not Applicable		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	Not Applicable		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	New Proposal		
13	Annual Production Proposed (Metric Tons/CUM) / Annum	The envisaged proposed maximum Production of 2,00,117 tons per annum.		
14	Quantity of Topsoil/Overburden in cubic meter	Nil		
15	Mineral Waste Handled (Metric Tons/CUM)/ Annum	Average 2380 cubic meters/annum of overburden & 1,452 cubic meters of waste (mining losses).		

16	Project Cost (Rs. In Crores)	1.00 Crore
17	Environmental Sensitivity	
	a. Nearest Forest	Devarayadurga State Forest is situated towards south-west about 1.40 kms.
	b. Nearest Human Habitation	Irakasandra Village is situated at a distance of 800 meters.
	c. Educational Institutes, Hospital	The Villages in the buffer zone have primary educational facilities and higher education & technical courses are available at Koratagere town about 14.00 kms from the Quarry lease. The Govt. First Grade College is situated in Mannur Thimmanahalli & Irakasandra Villages.
	d. Water Bodies	Irakasandra Tank is existing about 560 meters towards East side
	e. Other Specify	There is approach road closeby to the quarry site at a distance of 0.50 km (by road) the nearest Temple & water body is about 500m & 560m respectively from the quarry site.
18	Applicability of General Condition of the EIA Notification, 2006	Not applicable
19	Details of Land Use in Ha: 5.870 Ha. (14-20 acres)	
	a. Area for Mining/ Quarrying	2.200
	b. Waste Dumping Area	0.400 (temporary dump)
	c. Top Soil Storage Area	Nil
	d. Mineral Storage Area	0.360
	e. Infrastructure Area	0.080
	f. Road Area	0.040
	g. Green Belt Area	Nil
	h. Unexplored area	2.692
	i. Others Specify	0.100
20	Method of Mining/ Quarrying	Semi Mechanized Method of opencast quarrying
21	Rate of Replenishment in case River sand project	Not Applicable
22	Water Requirement	07 KLD/day
	a. Source of water	Bore well is situated towards North-East side

		about 1.50 kms from the quarry site & is the source of water used for drinking. Separate arrangements shall be made for non-domestic purposes (will have own Bore well)																		
	b.	<table border="1"> <tr> <td>SL. No.</td> <td>Particulars</td> <td>(KLD)</td> </tr> <tr> <td>01</td> <td>Drinking</td> <td>1.50</td> </tr> <tr> <td>02</td> <td>Dust suppression</td> <td>3.00</td> </tr> <tr> <td>03</td> <td>Afforestation</td> <td>1.50</td> </tr> <tr> <td>04</td> <td>Miscellaneous</td> <td>1.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total</td> <td>7.00</td> </tr> </table>	SL. No.	Particulars	(KLD)	01	Drinking	1.50	02	Dust suppression	3.00	03	Afforestation	1.50	04	Miscellaneous	1.00	Total		7.00
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03	Afforestation	1.50																		
04	Miscellaneous	1.00																		
Total		7.00																		
23	Storm water management plan	The proposals for construction of check dams, retaining walls/safety bunds & garland drains are provided and shall be implemented as per the EMP protective measures and guidelines issued by SEIAA in this regard.																		

The proponent and Environmental consultants attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the Statutory Application Form 1, pre-feasibility report, approved quarry plan, EMP, Approved quarry plan and additional information provided during the meeting. The anticipated ROM building stone is 9,79,911 metric tons for a period of five years. It is envisaged with a production plan of 9,60,314 metric tons i.e., saleable building stone(98% of ROM) excluding wastages over a period of five years.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following additional conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.
3. Project Proponent to plant broad leaved native treespecies like Ala, Arali, Honge etc.
4. The project proponent shall provide high dust proof fencing all along the lease boundary.

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



195.38 Proposed Grey Granite Quarry Project at Sy.No.19 of Marganakunte village, Bagepalli Taluk Chikkaballapur District (5.099 Ha) (12.24 Acres) by M/s. Sreeji Stones (India) (SEIAA 24 MIN 2018)

Sl. No	PARTICULARS	INFORMATION		
1	Name&AddressoftheProject Proponent	M/s.SreejiStones(India), No.2,1 <sup>st</sup> Cross,KodigeEnclave, Kodigehalli, Bengaluru-560097.		
2	Name&LocationoftheProject	M/s.SreejiStones(India), GreyGraniteQuarry, PartofSy.No.19ofMarganakunteVillage, BagepalliTaluk,ChikkaballapuraDistrict, Karnatka.		
3	Co-ordinatesoftheProjectSite	GPS CO-ORDINATES DATUM-WGS-84		
		Boundary Points	Latitude	Longitude
		A	13°53'38.8"	77°51'10.4"
		B	13°53'47.6"	77°51'07.8"
		C	13°53'48.5"	77°51'10.2"
		D	13°53'45.6"	77°51'16.4"
E	13°53'38.2"	77°51'13.8"		
4	TypeofMineral	GreyGranite		
5	New/Expansion/Modification/Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt.GomalaLands		
7	Whethertheprojectsitefallwithin ESZ/ESA	NotApplicable		
8	AreainHa	5.099Ha.(12-24acres)		
9	ActualDepthofsandintheleaseareain caseofRiversand	NotApplicable		
10	DepthofSandproposedtoberemoved incaseofRiversand	NotApplicable		
11	Rate of replenishment in case of river sand mining as specified in the sustainablesandminingguideline2016	NotApplicable		
12	Measurementsoftheexistingquarrypits in case of ongoing/expansion/ modification of mining proposals other thanriversand	NewProposal		
13	Annual Production Proposed (Metric Tons/CUM)/Annum	Theenvisaged proposed maximum Production of 9,600cubicmetersperannum.		
14	QuantityofTopsoil/Overburdenincubic meter	Nil		
15	Mineral Waste Handled (Metric Tons/ CUM)/Annum	An estimated quantity of around 12,600 cubic meters of overburden & 72,000 cubic meters of waste(defectivematerials)		

16	Project Cost (Rs. In Crores)	1.00 Crore																		
17	Environmental Sensitivity																			
	a. Nearest Forest	The Quarry area is situated about 2.00 kms from Itikalurga Reserved Forest, Block-1 towards East.																		
	b. Nearest Human Habitation	Marganakunte Village is situated at a distance of 1.00 kms.																		
	c. Educational Institutes, Hospital	The Villages in the buffer zone have primary educational facilities and higher education & technical courses are available at Bagepallitown about 16.00 kms from the Quarry lease. B.Ed Collages situated in Gulur Village.																		
	d. Water Bodies	Small tank/ponds situated about 85 meters towards SE.																		
	e. Other Specify	There is approach road close by to the quarry site at a distance of 1.00 km (by road).																		
18	Applicability of General Condition of the EIA Notification, 2006	Not applicable																		
19	Details of Land Use in Ha: 5.099 Ha. (12-24 acres)																			
	a. Area for Mining/Quarrying	1.170																		
	b. Waste Dumping Area	0.850																		
	c. Top Soil Storage Area	Nil																		
	d. Mineral Storage Area	0.020																		
	e. Infrastructure Area	0.030																		
	f. Road Area	0.090																		
	g. Green Belt Area	0.380																		
	h. Unexplored area	2.409																		
	i. Others Specify	0.150																		
20	Method of Mining/Quarrying	Semi Mechanized Method of open cast quarrying																		
21	Rate of Replenishment in case River sand project	Not Applicable																		
22	Water Requirement	05 KLD/day																		
	a. Source of water	Bore well is situated towards west about 200 meters from the quarry site & is the source of water used for drinking. Separate arrangements shall be made for non-domestic purposes.																		
	b. Total Requirement of Water in KLD	<table border="1"> <thead> <tr> <th>Sl.No.</th> <th>Particulars</th> <th>(KLD)</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Drinking</td> <td>1.50</td> </tr> <tr> <td>02</td> <td>Dust suppression</td> <td>1.50</td> </tr> <tr> <td>03</td> <td>Afforestation</td> <td>1.00</td> </tr> <tr> <td>04</td> <td>Miscellaneous</td> <td>1.00</td> </tr> <tr> <td></td> <td>Total</td> <td>5.00</td> </tr> </tbody> </table>	Sl.No.	Particulars	(KLD)	01	Drinking	1.50	02	Dust suppression	1.50	03	Afforestation	1.00	04	Miscellaneous	1.00		Total	5.00
Sl.No.	Particulars	(KLD)																		
01	Drinking	1.50																		
02	Dust suppression	1.50																		
03	Afforestation	1.00																		
04	Miscellaneous	1.00																		
	Total	5.00																		

23	Stormwater management plan	The proposals for construction of checkdams, retaining walls/safety bunds & gullies and drains are provided and shall be implemented as per the EMP protective measures and guidelines issued by SEIAA in this regard.
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The proponent and Environmental consultants attended the meeting to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the Statutory Application Form 1, pre-feasibility report, approved quarry plan, EMP and additional information provided during the meeting.

The committee noted that as per the mining plan, the percentage of recovery is 40%. The total production every year is 9,600 cum and waste is 14,400 cum. The proponent has earmarked 0.85 hectares within the lease area for waste management. There is an existing kaccha road of one kilometer connecting the quarry to Honampali road and the proponent has stated that he make this kaccha road to all weather black topped road. The anticipated ROM volume is 1,20,000 cum of grey granite for a period of five years. It is envisaged with a production plan of 48,000 cum at 40% of ROM of grey granite with a wastage of 72,000 cum of waste at 60% of ROM. The production plan is for five years.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.
3. Project Proponent to plant broad leaved native tree species like Ala, Arali, Honge etc.
4. The project proponent shall provide high dust proof fencing all along the lease boundary.
5. The proponent shall install mobile STP instead of septic tank.

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

195.39 Proposed Tank Terminal Facility Project at Sy. Nos. 46-1(p), 47-1(p), 47-2(p), 47-3(p), 47-7(p1), Su. Nos. 47-7(p3), 47-8(p), 47-13(p), 47-14(p), 47-15, 47-16(p), 47-7(p3), 47-3(p), 47-9(p), 47-10(p), 47/7(p), 47/14(p), 47/3(p) of Thannirubhavi KIADB industrial Area, Mangalore Taluk, Dakshina Kannada District by M/s Raftaar Terminals Pvt Ltd (SEIAA 09 IND 2018)

Sl. No	PARTICULARS	INFORMATION
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1	Name & Address of the Project Proponent	Mr. K.M Madegowda, General Manager, P.O Box No 1333, #4/152, Laxman Building, NH-66, Kottara Chowki, Mangalore-575006.	
2	Name & Location of the Project	Raftaar Terminals Limited Sy No 46-1(p), 47-1(p), 47-2(p), 47-3(p), 47-7(p1), 47-7(p3), 47-8(p), 47-13(p), 47-14(p), 47-15, 47- 16(p), 47-7(P3), 47-3(p), 47-9(p), 47-10(p), 47/7(P), 47/14(P), 47/3(P) Thannirubhavi KIADB Industrial Area, Mangalore-575010 Dakshina Kannada District, Karnataka.	
3	Co-ordinates of the Project Site	Project site lays at 12°53'58.85" N Longitude 74°48'54.74" E Elevation at 7M	
4	Environmental Sensitivity		
	a.	Distance from Nearest Lake/ River/ Nala	Gurpur River is 150 Mtrs North - Eastern direction
	b.	Distance from Protected area notified under wildlife protection act	-
	c.	Distance from the interstate boundary	-
	d.	whether located in critically / severally polluted area as per the CPCB norms	-
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number	Sl. No. 6 (b) of EIA notification 2006 and category 'B' project.	
6	New/ Expansion/ Modification/ Product mix change	Expansion	
7	Plot Area (Sqm)	27968.82 SQM	
8	Built Up area (Sqm)	14290.66 SQM	
9	Component of developments	<ul style="list-style-type: none"> <li>Proposed expansion project adding two nos. of storage tanks of capacity 4020 M<sup>3</sup>&amp; 12310 M<sup>3</sup>for storing Naphtha/ Motor Spirit/ HSD/ Aviation Fuel/ LSHS/ Furnace oil. One fire water storage tank of capacity 5000M<sup>3</sup> will include in the expansion project.</li> <li>One jetty pipeline of 10" dia from NMPT port berth no. 12 to storage terminal is to be laid.</li> </ul>	

10	Project cost (Rs. In crores)	Existing - 48.93 Crores Proposed- 18.8 Crores
11	Details of Land Use (Sqm)	
	a. Ground Coverage Area	17447.32 SQM
	b. Kharab Land	-
	c. Internal Roads	Shown in layout plan
	d. Paved area	4451 SQM
	e. Parking	
	f. Green belt	6070.5 SQM (22% of total area)
	g. Others Specify	for land scape development to meet 33 % of total land, M/s. Raftaar Terminals has purchased 1 acres of additional land for development green belt.
	h. Total	27968.82 SQM
12	Products and By- Products with quantity (enclose as Annexure if necessary)	<p>The proposed expansion will be by addition 16330 M<sup>3</sup>/Month for increasing the storage of Naptha/Motor spirit/HSD/Aviation Fuel/LSHS/Furnace Oil. The final storage capacity will be 50482 M<sup>3</sup>/Month. It is also proposed to modify the storage regime for storing Edible Oil(crude/refined) and Bio diesel.</p> <p>The allied facility for the storage terminal is pipelines of three nos. from jetty 12 of NMPT. one more pipeline of diameter 10" will be added in place of 8" diameter proposed.</p> <p>Three numbers of pipelines are drawn from jetty no. 12. To storage terminal. Two-pipelines of 10" diameter and one pipeline is 8" diameter. Fourth pipeline is yet to be laid, it will be of 10" diameter. One fire water storage tank of capacity 5000 M<sup>3</sup> will include in the expansion project.</p>
13	Raw material with quantity and their source (enclose as Annexure if necessary)	No raw materials are required as the proposed project is a development of Isolated Tank Terminal facility for storage of products like Classified Petroleum products, Hazardous Chemicals (as per MSIHC rule) Sulphuric Acid, Phosphoric Acid and Non-hazardous chemicals are Edible Oils(Crude/Refined) and Biodiesel.

14	Mode of transportation of Raw material and storage facility	Import of products are based on the customer or industries requirements/demand. Storage of petroleum products and chemicals will be in compliance with PESO and other related regulatory authorities.		
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	-		
16	Fly ash production, storage and disposal details whereas coal is used as fuel	-		
17	Complete process flow diagram and technology employed	Detailed in Prefeasibility Report, chapter 3, section 3.5		
18	Details of Plant and Machinery with capacity/ Technology used	Detailed in Prefeasibility Report, chapter 3, section 3.5		
19	Details of VOC emission and control measures wherever applicable	As the storage is in a Fixed Cone with Internal Floating Roof system. There will not be significant release of any fugitive emissions. Tanks are provided with pressure release valve it will reduce the pressure build inside the tank and emissions.		
20	WATER			
	I. Construction Phase			
	a.	Source of water	Mangalore City Corporation	
	b.	Quantity of water for Construction in KLD	-	
	c.	Quantity of water for Domestic Purpose in KLD	-	
	d.	Waste water generation in KLD	-	
	e.	Treatment facility proposed and scheme of disposal of treated water	-	
	II. Operational Phase			
	a.	Source of water	Mangalore City Corporation	
	b.	Total Requirement of Water in KLD	Fresh	17 KLD
			Recycled	-
			Total	17 KLD
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	10 KLD
			Recycled	-
			Total	10 KLD

	d.	Requirement of water for domestic purpose in KLD.	Fresh	7 KLD
			Recycled	-
			Total	17 KLD
	e.	Waste water generation in KLD	Industrial effluent	10 KLD
			Domestic sewage	7 KLD
			Total	17 KLD
f.	ETP/ STP capacity	STP capacity - 7 KLD ETP capacity 10 KLD		
g.	Technology employed for Treatment	Detailed in PFR chapter 3, section 3.9		
h.	Scheme of disposal of excess treated water if any	Detailed in PFR chapter 3, section 3.9		
21	Infrastructure for Rain water harvesting		-	
22	Storm water management plan		-	
23	Air Pollution		-	
	a.	Sources of Air pollution	DG set of 1 X 35 KVA and 1 X 275 KVA are in operation phase to serve as backup power supply to run the plant in case of power failure. Low Sulphur content diesel will be used to run the DG set. Stack height of 9 m is provided.	
	b.	Composition of Emissions	SO <sub>2</sub> , NO <sub>x</sub> , Particulate Matters	
	c.	Air pollution control measures proposed and technology employed	As the storage is in a Fixed Cone with Internal Floating Roof system. There will not be significant release of any fugitive emissions. Tanks are provided with pressure release valve it will reduce the pressure build inside the tank and emissions. There will be only vehicular emission.	
24	Noise Pollution			
	a.	Sources of Noise pollution	Diesel generators and pumps are provided with noise and vibration control and acoustic measures as per guidelines.	
	b.	Expected levels of Noise pollution in dB	Within the limits prescribed for industrial area.	
	c.	Noise pollution control measures proposed	D.G. set is used only during the emergency of power failure to run essential services. Terminal Workers will be provided with ear muffs/plugs.	
25	WASTE MANAGEMENT			

	I. Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable Non- Biodegradable Solid Waste: Office waste like paper etc. is expected. Plastic drums and bags will be sold to KSPCB authorized recycler.
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Hazardous waste tank cleaning sludge and DG set waste oil, will be collected and handed over to KSPCB Authorized Vendor for treatment.
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	-
26	Risk Assessment and disaster management		Prepared & Submitted along with PFR.
27	POWER		
	a.	Total Power Requirement in the Operational Phase with source	The total power requirement during operational phase will be around 400 KW (consent obtained for 1000 KW). The power will be sourced from MESCOM.
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	DG Sets of capacity 1 X 35 KVA, 1 X 275 KVA Are in operation phase, which serve as backup power supply for plant during power failure in place of 125 KVA proposed earlier.
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Fuel Requirement: Low Sulphur content, Diesel of 7.35 L/Hr & 57.75 L/Hr is the requirement respectively for the DG Sets.
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Details are submitted along with half yearly compliance report.
28	PARKING		
	a.	Parking Requirement as per norms	
	b.	Internal Road width (RoW)	Detailed in Plant layout plan.
29	Any other information specific to the project (Specify)		

The Proponent and Environmental Consultants attended the meeting to provide clarification/additional information.

The committee screened the proposal considering the information provided in the statutory application-Form-I, Prefeasibility report, ToRs proposed and clarification/additional information provided during the meeting.

The committee noted that this is an expansion project. The proposal is to have two additional storage tanks of capacity of 4020 M3 & 12310 M3 for storing Naptha/Motor Spirit/HSD/Aviation Fuel LSHS/Furnace oil. & also an water tank of capacity 5000 M3.




The proponent has requested to prescribe on month baseline environmental study for preparation of EIA report and the committee accepted the same. The proponent has also stated that he has made out an application before the District coastal zone management committee for obtaining the CRZ clearance.

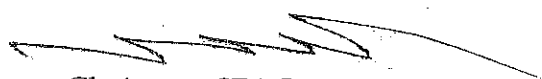
The committee decided to recommend the proposal to SEIAA for issuing of Standard ToRs alongwith the following additional ToRs

- 1) The proponent to obtain and submit the CRZ clearance from the Karnataka State Coastal Zone Management Authority.
- 2) Compliance to the earlier EC conditions.
- 3) Explain the worst case scenario in case of hazards and the preventive measures proposed.
- 4) One month baseline data to be collected for the preparation of EIA report.

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

The meeting concluded with thanks to the Chair.

  
Secretary, SEAC  
Karnataka.

  
Chairman, SEAC  
Karnataka.