


Proceedings of the 232nd SEAC Meeting held on 17th, 18th and 19th October 2019

17th October 2019

Members present in the meeting:

Shri. N. Naganna	- Chairman
Dr. B. Chikkappaiah, IFS(R)	- Member
Dr. N. Krishnamurthy	- Member
Dr. K.B Umesh	- Member
Dr. M.I Hussain	- Member
Shri M. Srinivasa	- Member
Dr. Vinod kumar C.S	- Member
Shri. Vyshak V. Anand	- Member
Shri. D. Raju	- Member
Shri Venugopal .V	- Member
Shri J.G Kaveriappa	- Member


M.S. SEIAA

The Chairman, SEAC, Karnataka welcomed the members of the Committee and others present. All the members present have confirmed that they have received the full set of copies of the project documents which are submitted to the Authority by the project proponent to be appraised in 232nd SEAC meeting. The following proposals listed in the agenda were appraised in accordance with the provisions of EIA Notification 2006. The MoEF Notification Dated:1st July 2016, NGT orders Dated:13-1-2015, 13-9-2018, 11-12-2018 and the O.M Dated:12-12-2018 pertaining to mining of minerals were brought to the notice and read before the committee and also brought to the notice of the committee that all the mining projects need to be appraised in light of above mentioned NGT orders, Notification and OM issued by MoEF & CC, GoI. The supreme court judgement dated:5-3-2019 pertaining to buffer zones mandated for construction/industrial projects was brought to the notice and read before the committee. The observation and decision of the Committee are recorded under each of the agenda items.

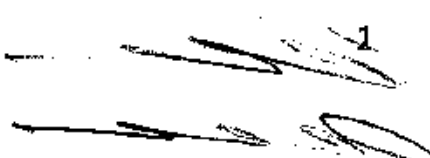
Confirmation of the proceedings of 231st SEAC meeting held on 25th, 26th and 27th September 2019.

The State Expert Appraisal Committee, Karnataka perused the proceedings of 231st SEAC meeting held on 25th, 26th and 27th September 2019 and confirmed the same.

17th October 2019

ToR Proposals :

232.1 Proposed 60 KLPD (Juice/Syrup based) distillery, 6 TPD Bio CNG, 20 TDP fertilizer powder, 42 TPD Co₂, 137 TPD Khandasari Sugar unit, expansion of captive power generation from 900 KW/hr to 4.4 MW/hr in the existing premises of 168 TPD Jaggery powder plant located at Sy.No.106/2, 106/3, 109/1 & 109/3



Alagawadi village, Raybag Taluk, Belagavi District by M/s. Shri Bramhanand Sagar Jaggery Industries(SEIAA 36 IND 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Ashok J Aski Partner M/s. Shri Bramhanand Sagar Jaggery Industries 150/6, Vidya Nagar, Gokak Road, Harugeri Tq: Raybag, Belgaum, Karnataka, 591220, India
2	Name & Location of the Project	Proposed 60 KLPD (Juice/ Syrup based) distillery, 6 TPD Bio CNG, 20 TPD fertilizer powder, 42 TPD CO ₂ , 137 TPD Khandasari Sugar unit, expansion of captive Power generation from 900 KW/hr to 4.4 MW/hr in the existing premises of 168 TPD Jaggery powder plant at Survey. No. 106/2, 106/3, 109/1& 109/3 Alagawadi Village, Raybag Taluk Belagavi District.
3	Co-ordinates of the Project Site	16°30'5.69"N ; 74°53'47.72"E 16°30'6.74"N ; 74°53'58.56"E 16°30'3.82"N ; 74°54'0.30"E 16°30'2.78"N ; 74°53'49.91"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	Harugeri Kere-6.4 Km, NE Krishna River-12.80Km, NE Raybag Kere-13.00 Km, SW Ghataprabha LBC-12.2 Km, SE Chikkud Branch Canal-2.2 Km, SE Shahu Park RF- 8.6 Km, SW Rajaram RF-10.7 Km, SW Sivajji RF-13.5 Km, W 25.16 Kms from Maharashtra state Border No 5(g)
6	New/ Expansion/ Modification/	Proposed 60 KLPD (Juice/ Syrup based) distillery, 6 TPD Bio CNG, 20 TPD fertilizer powder, 42 TPD CO ₂ , 137 TPD Khandasari Sugar unit, expansion of captive Power generation from 900 KW/hr to 4.4 MW/hr in the existing premises of 168 TPD Jaggery

		powder plant	
7	Plot Area (Sqm)	11 acres 22gunta.	
8	Built Up area (Sqm)	Details will be provided in the EIA/ EMP report	
9	Component of developments	Proposed 60 KLPD (Juice/ Syrup based) distillery, 6 TPD Bio CNG, 20 TPD fertilizer powder, 42 TPD CO ₂ , 137 TPD Khandasari Sugar unit, expansion of captive Power generation from 900 KW/hr to 4.4 MW/hr in the existing premises of 168 TPD Jaggery powder plant	
10	Project cost (Rs. In crores)	Expansion cost 63.75 Crores	
11	Details of Land Use (Sqm)		
	a. Ground Coverage Area	Details will be given in the EIA report	
	b. Kharab Land		
	c. Internal Roads		
	d. Paved area		
	e. Parking		
	f. Green belt		
	g. Others Specify		
	h. Total		11 acres 22gunta.
12	Products and By- Products with quantity (enclose as Annexure if necessary)	Products	Quantity
		Jaggery powder	168 TPD
		Khandasari sugar	137 TPD
		Ethanol / Extra Neutral Alcohol	60 KLPD
		Bio CNG	6 TPD
		Fertilizer powder	20 TPD
		CO ₂	42 TPD
	Power	4.4 MW/Hr	
13	Raw material with quantity and their source (enclose as Annexure if necessary)	List of raw materials enclosed in the PFR	
14	Mode of transportation of Raw material and storage facility	Mode of transportation of raw material and end products: Trucks/ tankers	
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	-NA-	
16	Fly ash production, storage and disposal details whereas coal is used as fuel	-NA-	
17	Complete process flow diagram and technology employed	Complete process flow diagram enclosed in the PFR	
18	Details of Plant and Machinery with capacity/ Technology used	Details of plant machinery layout plan will be provided in the EIA report.	
19	Details of VOC emission and	<u>Emissions</u>	

	control measures wherever applicable	Emissions from Boiler & DG sets , CO ₂ from fermentation <u>Control Measures</u> For Boiler- Stack of adequate height DG Set - Acoustic Enclosure.
20	WATER	
	I. Construction Phase	
	a. Source of water	Borewell/ tankers
	b. Quantity of water for Construction in KLD	20 KLD
	c. Quantity of water for Domestic Purpose in KLD	5 KLD for labours
	d. Waste water generation in KLD	4 KLD
	e. Treatment facility proposed and scheme of disposal of treated water	Wastewater will be treated in existing ETP
	II Operational Phase	
	a. Source of water	Krishna River, NOC application is under process.
	b. Total Requirement of Water in KLD	Source of water for the project is from Krishna River.
	c. Requirement of water for industrial purpose / production in KLD	Water requirement for Jaggery/ Khandasari unit along with cogeneration power:
	d. Requirement of water for domestic purpose in KLD	Fresh water:44 KLD
	e. Waste water generation in KLD	Utilisation of condensate: 560 KLD Total water requirement: 604 KLD Water requirement for distillery:
	f. ETP/ STP capacity	Fresh Water:478KLD
	g. Technology employed for Treatment	Utilisation of treated wastewater: 825KLD Total water requirement: 1303KLD
	h. Scheme of disposal of excess treated water if any	Total fresh water requirement for the complex: 522 KLD Sewage generated will be treated in STP (20 KLD). Effluent from Jaggery/Khandasari and Cogeneration unit: 80 KLD ETP Condensate polishing unit of 400 KLD will be established to treat condensate from Distillery. Detailed description enclosed in PFR
21	Infrastructure for Rain water harvesting	Details will be provided in the ELA report.
22	Storm water management plan	Storm water drains will be constructed around the project site.

23	Air Pollution				
	a.	Sources of Air pollution	Operation of boiler		
	b.	Composition of Emissions	Detailed description will be presented in the EIA report		
	c.	Air pollution control measures proposed and technology employed			
24	Noise Pollution				
	a.	Sources of Noise pollution	DG sets & Vehicular movement		
	b.	Expected levels of Noise pollution in dB	Expected noise levels during day time: < 75dB(A) and during night time : <70dB(A)		
	c.	Noise pollution control measures proposed	Acoustic enclosures for DG sets All the sections will be properly constructed with noise absorbing materials; pumps selected are of less noise generating type. Vehicles speed limit restriction within the premises at 15-20kmph and traffic congestion will be avoided by security deployed at the entry/exit gates.		
25	WASTE MANAGEMENT				
	I. Operational Phase				
	a.	Quantity of Solid waste generated per day and their disposal	Solid waste	Method of collection	Mode of disposal
			Yeast Sludge	Mechanical conveyor	Mixed in required proportions and sold to member farmers as manure
			Sludge from CPU	Sludge drying beds	manure
			Domestic solid waste	Manual	Nearby municipal agencies & recyclers.
			Boiler ash	Mechanical conveyor	Handed over to brick manufacturing units
			Used oil from DG sets	Stored in leakproof sealed barrels	Used as lubricants within the industry
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Detailed description will be presented in the EIA report		
	c.	Quantity of E waste generation with source and mode of Disposal as per norms			

26	Risk Assessment and disaster management	Will be included during the preparation of EIA/EMP report.
27	POWER	
	a. Total Power Requirement in the Operational Phase with source	Power will be met from the cogeneration unit power generation: 4.4 MW/Hr.
	b. Numbers of DG set and capacity in KVA for Standby Power Supply	Total 1 X 180 KVA +1 X 100 KVA DG sets will suffice the requirement of backup power supply with good quality HSD.
	c. Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Diesel for DG set, Bagasse for boilers
	d. Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Details will be included during the preparation of EIA/EMP report.
28	PARKING	
	a. Parking Requirement as per norms	Details will be included during the preparation of EIA/EMP report.
	b. Internal Road width (RoW)	7 meter
29	Any other information specific to the project (Specify)	--

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent and Environmental Consultant attended the 232nd SEAC meeting held on 17-10-2019 to provide required clarification and additional information.

The committee appraised the proposal considering the Statutory Application Form -I, Pre-feasibility report, proposed ToRs and additional information provided during the meeting. The committee noted that this is a proposal to establish distillery and other products in the existing premises wherein Jaggery is being manufactured. Since the jaggery manufacturing is outside the ambit of EC the proponent has stated that he is running the unit based on the CFE/CFO issued by KSPCB.

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

- 1) Characteristics and enduse of Bio CNG, fertilizer powder, Co₂ may be detailed and submitted.

- 2) Possibility to utilize the micro organisms to suppress the odour may be studied and submitted.
- 3) List of existing plants and species wise number of native plants proposed to develop a thick three tier green belt all along the boundary of the project and also along the roads maybe detailed and submitted.
- 4) List of aromatic plants to suppress the odour may be detailed and submitted.
- 5) The possibility of utilizing bio CNG produced in the distillery plant for power generation and also for the standby Gensets may be examined and submitted.
- 6) Explore the feasibility for renewable source such as thermal solar instead of coal for generation of steam and submit the detailed workings.

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

232.2 Proposed establishment of 90 KLPD (sugar cane juice/Syrup/molasses) Distillery along with 3 MW/hr power from the incineration boiler located at Sy.No.36 Block 1 & Block 2, Halaga Village, Khanapura Taluk Belagavi District by M/s. Anjalitai Canes Pvt Ltd.,(SEIAA 37 IND 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Dr Anjali Hemanth Nimbalkar, CMD, M/s Anjalitai Canes Pvt Ltd Plot No 91, Shahu nagar, Shiv Temple Road, Vinayak Colony, Belagavi Dist, Karnataka 590010
2	Name & Location of the Project	Establishment of 90 KLPD (Sugar cane Juice / syrup / molasses) Distillery along with 3 MW/hr Power from the incineration boiler at Sy. No 36 Block 1 & Block 2, Halaga Village, Khanapura Taluk, Belagavi District.
3	Co-ordinates of the Project Site	15°30'38.50"N ; 74°36'12.22"E 15°30'42.65"N ; 74°36'18.24"E 15°30'34.86"N ; 74°36'21.81"E 15°30'29.70"N ; 74°36'11.87"E
4	Environmental Sensitivity	
a.	Distance From nearest Lake/ River/ Nala	Pandhri Nadi-4.15Km, SW Nandgad dam-9.02Km, NW Malaprabha River flowing at a distance of 14.6 km, NW. Gundoli Halla-7.6Km, SW
b.	Distance from Protected area notified under wildlife protection act	Bhingad Wildlife Sanctuary-19.16Km, W Chinchevadi RF -1.85 Km, W Machigad RF - 3.25 Km, NW
c.	Distance from the interstate boundary	Nil
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(g)								
6	New/ Expansion/ Modification/	Establishment of 90 KLPD (Sugar cane Juice / syrup / molasses) Distillery along with 3 MW/hr Power from the incineration boiler								
7	Plot Area (Sqm)	31 Acres 12 Guntas acres.								
8	Built Up area (Sqm)	Details will be provided in the EIA/ EMP report								
9	Component of developments	Establishment of 90 KLPD (Sugar cane Juice / syrup / molasses) Distillery along with 3 MW/hr Power from the incineration boiler								
10	Project cost (Rs. In crores)	Rs 124.9 Crores								
11	Details of Land Use (Sqm)									
	a. Ground Coverage Area	Details will be given in the EIA report								
	b. Kharab Land									
	c. Internal Roads									
	d. Paved area									
	e. Parking									
	f. Green belt									
	g. Others Specify									
	h. Total	31 Acres 12 Guntas acres.								
12	Products and By- Products with quantity (enclose as Annexure if necessary)	<table border="1"> <thead> <tr> <th>Products</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Ethanol</td> <td>90 KLPD</td> </tr> <tr> <td>Extra Neutral Alcohol</td> <td>90 KLPD</td> </tr> <tr> <td>Power</td> <td>3 MW/Hr</td> </tr> </tbody> </table>	Products	Quantity	Ethanol	90 KLPD	Extra Neutral Alcohol	90 KLPD	Power	3 MW/Hr
Products	Quantity									
Ethanol	90 KLPD									
Extra Neutral Alcohol	90 KLPD									
Power	3 MW/Hr									
13	Raw material with quantity and their source (enclose as Annexure if necessary)	List of raw materials enclosed in the PFR								
14	Mode of transportation of Raw material and storage facility	Mode of transportation of raw material and end products: Trucks/ tankers								
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	-NA-								
16	Fly ash production, storage and disposal details whereas coal is used as fuel	-NA-								
17	Complete process flow diagram and technology employed	Complete process flow diagram enclosed in the PFR								
18	Details of Plant and Machinery with capacity/ Technology used	Details of plant machinery layout plan will be provided in the EIA report.								
19	Details of VOC emission and control measures wherever applicable	<u>Emissions</u> Emissions from Boiler & DG sets , CO ₂ from fermentation <u>Control Measures</u> For Boiler- Stack of adequate height DG Set - Acoustic Enclosure.								

20	WATER	
	I. Construction Phase	
	a.	Source of water Borewell/ tankers
	b.	Quantity of water for Construction in KLD 20 KLD
	c.	Quantity of water for Domestic Purpose in KLD 5 KLD for labours
	d.	Waste water generation in KLD 4 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water Wastewater will be treated in mobile STP
	II. Operational Phase	
	a.	Source of water Malaprabha River, NOC application is under process.
	b.	Total Requirement of Water in KLD Source of water for the project is from Malaprabha River.
	c.	Requirement of water for industrial purpose / production in KLD If molasses is used as raw material: Fresh Water required for the process is 726 KLD Utilisation of treated condensate: 1441 KLD Total water requirement 2166 KLD
	d.	Requirement of water for domestic purpose in KLD If cane juice is used as raw material: Fresh Water required for the process is 622 KLD Utilisation of treated condensate: 1428 KLD Total water requirement 2050 KLD
	e.	Waste water generation in KLD Sewage generated will be treated in STP (20 KLD). Industrial effluent such as condensate will be treated in the CPU (500KLD) and reused in the process.
	f.	ETP/ STP capacity Detailed description enclosed in PFR
	g.	Technology employed for Treatment
	h.	Scheme of disposal of excess treated water if any
21	Infrastructure for Rain water harvesting Details will be provided in the EIA report.	
22	Storm water management plan Storm water drains will be constructed around the project site.	
23	Air Pollution	
	a.	Sources of Air pollution Operation of boiler
	b.	Composition of Emissions Detailed description will be presented in the EIA report
	c.	Air pollution control measures proposed and technology employed
24	Noise Pollution	
	a.	Sources of Noise pollution DG sets & Vehicular movement
	b.	Expected levels of Noise pollution in dB Expected noise levels during day time: <75dB(A) and during night time : <70dB(A)
	c.	Noise pollution control measures proposed Acoustic enclosures for DG sets All the sections will be properly constructed with noise absorbing materials; pumps selected are of less

		noise generating type. Vehicles speed limit restriction within the premises at 15-20kmph and traffic congestion will be avoided by security deployed at the entry/ exit gates.																					
25	WASTE MANAGEMENT																						
	I. Operational Phase																						
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Sl No	Solid waste	Method of collection	Mode of disposal																				
1	Yeast Sludge	Mechanical conveyor	Mixed in required proportions and sold to member farmers as manure																				
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	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms																					
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	Detailed description will be presented in the EIA report																						
26	Risk Assessment and disaster management																						
	Will be included during the preparation of EIA/EMP report.																						
27	POWER																						
	a.	Total Power Requirement in the Operational Phase with source																					
	Power will be met from the cogeneration unit total 2.2 MW/hr power is required																						
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply																					
	1 X 1250 KVA DG sets will suffice the requirement of backup power supply with good quality HSD.																						
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,																					
	Diesel for DG set, Bagasse for boilers																						
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007																					
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28	PARKING																						
	a.	Parking Requirement as per norms																					
	Details will be included during the preparation of EIA/EMP report.																						
	b.	Internal Road width (RoW)																					
	6 meter																						

29	Any other information specific to the project (Specify)	--
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The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent and Environmental Consultant attended the 232nd SEAC meeting held on 17-10-2019 to provide required clarification and additional information.

The committee appraised the proposal considering the Statutory Application Form -I, Pre-feasibility report, proposed ToRs and additional information provided during the meeting. The proponent has stated that he has obtained CFE from KSPCB to establish sugar and cogeneration for a crushing volume of 4500 TCD and 14 megawatts of power and same has not been established yet. Now this proposal is establishment of distillery in the same premises. The proponent has also stated that he has started collecting baseline data from 1st October and requested the committee to permit him to adopt the same for EIA for which the committee agreed for the same.

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

- 1) Details of composting of yeast sludge and sludge from CPU may be detailed and submitted.
- 2) Possibility to utilize the micro organisms to suppress the odour may be studied and submitted.
- 3) List of existing plants and species wise number of native plants proposed to develop a thick three tier green belt all along the boundary of the project and also along the roads maybe detailed and submitted.
- 4) List of aromatic plants to suppress the odour may be detailed and submitted.
- 5) Characteristics of fuel ethanol and its enduse may be detailed and submitted.
- 6) Explore the feasibility for renewable source such as thermal solar instead of coal for generation of steam and submit the detailed workings.

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

232.3 Proposed Expansion of Belagal White Quartz Mine Project at Sy.No.30 of Belagal Village, Bellary Taluk, Bellary District (Q.L.No.2647) (45-11 Acres) by Smt. P Sarasa Bhai (SEIAA 575 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
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1	Name & Address of the Project Proponent	Smt P Sarasa Bhai, W/o Sri. R. Chandra Naik, House No-58/61, Youth Hostel Road, Contonment, Bellary-583101
2	Name & Location of the Project	"Belagal White Quartz Mine" of Smt P Sarasa Bhai Sy No: 30 , Belagal Village, Bellary Taluk, Bellary District, Karnataka.
3	Co-ordinates of the Project Site	Latitude: N 15° 08' 27.00" to N 15° 08' 23.2" Longitude: E 76° 49' 5.4" to E 76° 49' 07.7"
4	Type of Mineral	White Quartz
5	New / Expansion / Modification / Renewal	Expansion(QL No-2647)
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	18.33Ha
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	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a White Quartz Mine
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	It's a White Quartz Mine
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	36,225Tons/annum
14	Quantity of Topsoil/Over burden in Tons	It's a White Quartz Mine
15	Mineral Waste Handled (Metric Tons/ CUM)	43,177Tons/annum
16	Project Cost (Rs. In Crores)	1.18crores
17	Environmental Sensitivity	
	a. Nearest Forest	Bellary Reserved Forest -3.90 kms(S)

	b.	Nearest Human Habitation	Belagal Village-1.10Kms(SE)	
	c.	Educational Institutes, Hospital	Kampli -13.6 Kms (NW)	
	d.	Water Bodies	Allipura Pond-2.60Kms(NE)	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006		--	
19	Details of Land Use in Hectares			
	a.	Area for Mining/ Quarrying	5.70	
	b.	Waste Dumping Area	0.41	
	c.	Top Soil Storage Area	0.00	
	d.	Mineral Storage Area	0.22	
	e.	Infrastructure Area	0.05	
	f.	Road Area	0.50	
	g.	Green Belt Area/Buffer Zone	1.98	
	h.	Unexplored area	7.50	
	i.	Others Specify	1.82	
20	Method of Mining/ Quarrying		Semi Mechanised Method Open quarrying	
21	Rate of Replenishment in case River sand project		NA	
22	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	9.9 KLD
			Domestic	1.2 KLD
			Other	0.8 KLD
			Total	11.9 KLD
23	Storm water management plan		Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent and Environmental Consultant attended the 232nd SEAC meeting held on 17-10-2019 to provide required clarification and additional information.

The committee appraised the proposal considering the Statutory Application Form -I, Pre-feasibility report, proposed ToRs and additional information provided during the meeting. The proponent has stated that he has made an application earlier to EAC under 1994 Notification, but subsequent to formation of State level Authority the file was transferred to SEIAA directing the SEIAA to take up appraisal as per EIA

Notification 2006 and accordingly SEIAA has issued EC based on the recommendations made by SEAC in the year 2007. Now this proposal is enhancement of production from 6000 TPA to 36225 TPA. The proponent has also stated that he has started collecting data from 1st October and requested the committee to utilize the same for the EIA report. In this regard committee after discussion and deliberation agreed to permit the proponent.

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

- 1) The details of chipping activity if it is involved along with mitigative measures may be detailed and submitted.
- 2) Certified compliance for the earlier EC shall be submitted.

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

232.4 Proposed Ordinary Sand Quarry Project at Sy.Nos.28 & 23/2 of Markal Village, Shahpur Taluk, Yadgir District (22-11 Acres) By Sri Jay Prakash Hittal (SEIAA 630 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Jay Prakash Hittal, S/o ChandraShetty, Polakpalli, Chincholi, Gulbarga, Karnataka - 585305		
2	Name & Location of the Project	"Ordinary Sand Quarry" of Sri. Jay Prakash Hittal Sy No: 28 & 23/2, MarkalVillage, Shahpur Taluk, Yadgir District, Karnataka.		
3	Co-ordinates of the Project Site	P No	Lattitude	Longitude
		A	N16° 31' 15.60"	E76° 53' 22.30"
		B	N16° 31' 22.10"	E76° 53' 22.60"
		C	N16° 31' 24.80"	E76° 53' 23.40"
		D	N16° 31' 23.30"	E76° 53' 30.30"
		E	N16° 31' 13.30"	E76° 53' 28.30"
		F	N16° 31' 5.70"	E76° 53' 31.20"
		G	N16° 31' 6.10"	E76° 53' 26.60"
		H	N16° 31' 14.60"	E76° 53' 26.40"
		DATUM: WGS 84		
4	Type of Project	Ordinary Sand Quarry		

5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	9.014 Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to 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	It's Ordinary Sand.
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	It's a Fresh Land
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	80,800 TPA
14	Quantity of Topsoil/Over burden in cubic meter	1.0m Topsoil
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	No Waste
16	Project Cost (Rs. In Crores)	1.41crores
17	Environmental Sensitivity	
	a. Nearest Forest	None within 5 kms
	b. Nearest Human Habitation	Markal - 1.84 Kms(S)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Shahpur - 20.54Kms (NW)
	d. Water Bodies	MarkalHallah-55mts(S) KrishnaRiver-2.80Kms(S)
	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	7.836
	b. Waste Dumping Area	---
	c. Top Soil yard	---
	d. Mineral Storage Area	---

	e.	Infrastructure Area	---	
	f.	Road Area	---	
	g.	Green Belt Area	1.178	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20		Method of Mining/ Quarrying	Semi Mechanised Method	
21		Rate of Replenishment in case River sand project	NA	
22		Water Requirement		
	a.	Source of water	Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	2.37KLD
			Domestic	0.63 KLD
			Other	1.00 KLD
			Total	4.0KLD
23		Storm water management plan	Drains will be constructed along the boundary of activity area	
24		Any other information specific to the project (Specify)	NA	

The proponent was invited for the 232nd meeting held on 18-10-2019 to provide required clarification.

The proponent and Environmental Consultant attended the 232nd SEAC meeting held on 18-10-2019 to provide required clarification and additional information.

The committee appraised the proposal considering the Statutory Application Form -I, Pre-feasibility report, proposed ToRs and additional information provided during the meeting.

The committee observed that the area of mining is more than the threshold limit of 5 Ha. Hence the committee appraised the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies in accordance with the EIA Notification, 2006 and relevant guidelines.

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

232.5 Proposed Bulk Drugs and Intermediates Project at Plot Nos.110(P1), 111(P1), 112(P1) of Pharma SEZ Zone, KIADB Industrial Area, Kaushik Grama Panchayat Village, Hassan Taluk & District By M/s. Sami Labs Limited (SEIAA 29 IND 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Dr. Muhammed Majeed Founder & Managing Director M/s. Sami Labs Limited No.19/1 & 19/2, I Main, II Phase, Peenya Industrial Area, Bangalore.

2	Name & Location of the Project	M/s. Sami Labs Limited Establishment of API's, Intermediates products and R&D unit for custom synthesis. Plot no: 110(p1),111(p1),112(p1) Pharma SEZ zone, KIADB Industrial Area Kaushik Grama Panchayat, Hassan District - 573201, Karnataka, India.										
3	Co-ordinates of the Project Site	Project site Co-ordinates <table border="1"> <thead> <tr> <th>Co-ordinates</th> <th>Directions</th> </tr> </thead> <tbody> <tr> <td>12°58'01.54" N 76°07'26.79" E</td> <td>South</td> </tr> <tr> <td>12°58'03.75" N 76°07'32.76" E</td> <td>South East</td> </tr> <tr> <td>12°58'13.03" N 76°07'29.65" E</td> <td>North East</td> </tr> <tr> <td>12°58'09.54" N 76°07'21.17" E</td> <td>North West</td> </tr> </tbody> </table>	Co-ordinates	Directions	12°58'01.54" N 76°07'26.79" E	South	12°58'03.75" N 76°07'32.76" E	South East	12°58'13.03" N 76°07'29.65" E	North East	12°58'09.54" N 76°07'21.17" E	North West
Co-ordinates	Directions											
12°58'01.54" N 76°07'26.79" E	South											
12°58'03.75" N 76°07'32.76" E	South East											
12°58'13.03" N 76°07'29.65" E	North East											
12°58'09.54" N 76°07'21.17" E	North West											
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	Sl. No. 5(f) of EIA notification 2006. Synthetic organic chemicals industry - bulk drugs and intermediates.										
6	New/ Expansion/ Modification/ Product mix change	New										
7	Plot Area (Sqm)	38775 SQM or 9.58 Acres										
8	Built Up area (Sqm)	14644.16 sqm										
9	Component of developments											
10	Project cost (Rs. In crores)	Rs. 99 Crores										
11	Details of Land Use (Sqm)											
	a.	Ground Coverage Area										
	b.	Kharab Land										
	c.	Internal Roads										
	d.	Paved area										

	e.	Parking	Shown in layout plan
	f.	Green belt	13176.7 SQM
	g.	Others Specify	-
	h.	Total	38775 SQM
12	Products and By- Products with quantity (enclose as Annexure if necessary)		Detailed in PFR, chapter 2
13	Raw material with quantity and their source (enclose as Annexure if necessary)		Raw materials with quantity and their source is detailed in PFR
14	Mode of transportation of Raw material and storage facility		Most of the raw materials will be received by road ways only. Dedicated storage facility will be provided for raw materials.
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 PFR, chapter 3, section 3.5
18	Details of Plant and Machinery with capacity/ Technology used		Detailed in PFR, chapter 5, section 5.1
19	Details of VOC emission and control measures wherever applicable		Detailed in PFR, chapter 3, section 3.11
20	WATER		
	I.	Construction Phase	
	a.	Source of water	Source- KIADB supply (Hemavathi River) Total water requirement - 186 KLD (including recycle of treated effluent of 80 KLD)
	b.	Quantity of water for Construction in KLD	20 KLD
	c.	Quantity of water for Domestic Purpose in KLD	20 KLD
	d.	Waste water generation in KLD	<ul style="list-style-type: none"> Domestic wastewater will be treated in Biological ETP along with condensate of MEE & ATFD and LTDS effluent. Capacity of Biological ETP is 120 KLD. Industrial effluents are segregated into HTDS Effluents with solvent and without solvent and LTDS effluents.

		HTDS effluents with solvent will be primarily treated in solvent stripper then combined with HTDS effluent without solvent and treated in MEE followed by ATFD. Condensate from MEE and ATFD will be taken to Biological ETP.	
e.	Treatment facility proposed and scheme of disposal of treated water	Septic tank and soak pit	
II Operational Phase			
a.	Source of water	KIADB supply/ Borewell water	
b.	Total Requirement of Water in KLD	Fresh	106
		Recycled	80
		Total	186
c.	Requirement of water for industrial purpose / production in KLD	Fresh	-
		Recycled	-
		Total	-
d.	Requirement of water for domestic purpose in KLD	Fresh	-
		Recycled	-
		Total	-
e.	Waste water generation in KLD	Industrial effluent	105
		Domestic sewage	10
		Total	115
f.	ETP/ STP capacity	<ul style="list-style-type: none"> Domestic wastewater will be treated in Biological ETP along with condensate of MEE & ATFD and LTDS effluent. Capacity of Biological ETP is 120 KLD. Industrial effluents are segregated into HTDS Effluents with solvent and without solvent and LTDS effluents. HTDS effluents with solvent will be primarily treated in solvent stripper then combined with HTDS effluent without solvent and treated in MEE followed by ATFD. Condensate from MEE and ATFD will be taken to Biological ETP. 	
g.	Technology employed for Treatment	Detailed in PFR (Zero Liquid Discharge)	
h.	Scheme of disposal of excess treated water if any	-	
21	Infrastructure for Rain water harvesting	-	
22	Storm water management plan	-	
23	Air Pollution	-	

			SL No.	Sources	Capacity
	a.	Sources of Air pollution	1	Process Emissions	from Reactors
			2	DG sets	500 KVA (3 Nos)
			3	Boiler (Briquette)	3 TPH
			4	TFH	2 Lakhs Kcal/h
	b.	Composition of Emissions	SO ₂ , NO _x		
	c.	Air pollution control measures proposed and technology employed	<p>a. Process Emissions: 2 Nos Acidic Fume scrubbers with stack of about 10 mts & 3 Nos. of Point Exhaust/Solvent scrubbers.</p> <p>b. DG sets: Acoustic enclosure with individual stack of 8 m ARL will be provided.</p> <p>c. Boiler: Cyclone separator with chimney of 16 m AGL will be provided.</p> <p>d. Thermic Fluid Heater will be provided with chimney of 30 m AGL.</p>		
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 KSPCB prescribed for industrial area.		
	c.	Noise pollution control measures proposed	D.G. sets are used only during the emergency of power failure to run essential services. Acoustic enclosures are provided to DG sets.		
25	WASTE MANAGEMENT				
	I.	Operational Phase			
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable	Solid Waste: Office waste like paper etc. is expected. Plastic drums and bags will be sold to KSPCB authorized recycler.	
			Non- Biodegradable		
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Hazardous waste	Categ ory	Quantity Per Month
			Used Oil	5.1	25 L
			Inorganic residue	28.1	166.7 kgs
			Spent carbon+ Hyflo	28.3	117.5 kgs
			Spent catalyst	28.2	10.8 kgs
			Process waste	28.1	100.0 kgs
			Detoxified	33.1	500 kgs

		container		
		Spent Solvent	26.4	25000 kgs
		Distillation residue	20.3	9000 kgs
		ATFD salts	35.3	10000 kgs
		ETP/chemical sludge	35.3	9500 kgs
		Boiler Ash	-	6000 kgs
		Mode of disposal of hazardous waste will be detailed in PFR.		
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	-	
26	Risk Assessment and disaster management		Risk assessment will be carried out during EIA studies	
27	POWER			
	a.	Total Power Requirement in the Operational Phase with source	Total power requirement to the proposed project is 3000 KVA and Sourced from CESC.	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Three DG sets of 500 KVA will be provided as a power backup.	
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Fuel Requirement: Low Sulphur content, Diesel of HSD- 105 L/Hr is the requirement for the DG Sets& 100 L/Hr for Thermic Fluid Heater	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	-	
28	PARKING			
	a.	Parking Requirement as per norms	Provided as per standard	
	b.	Internal Road width (RoW)	Detailed in Plant layout plan.	
29	Any other information specific to the project (Specify)			

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent and Environmental Consultant attended the 232nd SEAC meeting held on 17-10-2019 to provide required clarification and additional information.

The committee appraised the proposal considering the Statutory Application Form -I, Pre-feasibility report, proposed ToRs and additional information provided during the meeting.

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

- 1) Explore the feasibility for renewable source such as thermal solar instead of coal for generation of steam and submit the detailed workings.
- 2) Reasons for selecting particular location for sampling purposes may be detailed and verified whether it comply with the predominant windrose direction.
- 3) Toxicity studies for product involving Toluene to be studied and submitted.
- 4) Risk analysis study should include failure probability, credible accidents scenario to be studied and submitted.
- 5) Characterizations of MEE salt may be studied and submitted.

Action:	Secretary, SEAC to forward the proposal to SEIAA for further necessary action.
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232.6 Proposed Iron (Fe) / Manganese (Mn) Ore Beneficiation, Pellet Plant & Sponge Iron Plant Project at Sy.Nos.178/2 & 178/4 of Sanklapura Village, Hospet Taluk Bellary District By M/s. Suraj Rock Cutting and Transport Service(SEIAA 31 IND 2019)

SL No	PARTICULARS	INFORMATION		
1	Name and Address of the Project Proponent	Suraj Rock Cutting & Transport Services Sri Renuka Devi Nilaya, Door No. 717/A 29 th Ward, 8 th Cross, M. J. Nagar Hosapate-583 201, Bellary Dist., Karnataka		
2	Name and Location of the Project	Survey No. 178/2 (Part) & 178/4 (Part) Sanklapura Village, Hospet Taluk, Bellary, Karnataka		
3	Co-ordinates of the Project Site	Points	Latitude	Longitude
		A	15°14'45.65" N	76°25'16.80"E
		B	15°14'45.35" N	76°25'17.01"E
		C	15°14'45.12" N	76°25'21.99"E
		D	15°14'45.39" N	76°25'21.88"E
		E	15°14'45.78" N	76°25'22.17"E
		F	15°14'49.00" N	76°25'22.72"E
		G	15°14'53.29" N	76°25'22.73"E
		H	15°14'55.04" N	76°25'22.57"E
		I	15°14'55.89" N	76°25'22.07"E
		J	15°14'57.58" N	76°25'21.81"E
		K	15°14'58.12" N	76°25'20.09"E
		L	15°15'0.72" N	76°25'20.16"E
M	15°15'2.34" N	76°25'11.79"E		

		N	15°14'46.48" N	76°25'15.61"E
4	Environmental Sensitivity			
	a.	Distance From nearest Lake/ River/ Nala	Tungabhadra High Level Canal-1.40.Km N-W	
	b.	Distance from Protected area notified under wildlife protection act	NA	
	c.	Distance from the interstate boundary	No Interstate boundary with in 10 Km Radius	
	d.	Whether located in critically / severally polluted area as per the CPCB norms	NA	
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		NA	
6	New/ Expansion/ Modification/ Product mix change		NEW	
7	Plot Area (Sqm)			
8	Built Up area (Sqm)			
9	Component of developments		24.40 Crores	
10	Project cost (Rs. In 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	32.50 acres (22.50 Acres + 10.00 Acre)	
12	Products and By- Products with quantity (enclose as Annexure if necessary)			
13	Raw material with quantity and their source (enclose as Annexure if necessary)			
14	Mode of transportation of Raw material and storage facility			
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		NA	

18	Details of Plant and Machinery with capacity/ Technology used			
19	Details of VOC emission and control measures wherever applicable		--	
20	WATER			
	I. Construction Phase			
	a.	Source of water		
	b.	Quantity of water for Construction in KLD	Source: Ground Water Through Bore wells within the plant area	
	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	KIADB	
	b.	Total Requirement of Water in KLD	Fresh	
			Recycled	-
			Total	
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	
			Recycled	
			Total	
	d.	Requirement of water for domestic purpose in KLD	Fresh	
			Recycled	
			Total	
	e.	Waste water generation in KLD	Industrial effluent	
			Domestic sewage	
			Total	
	f.	ETP/ STP capacity		
	g.	Technology employed for Treatment		
	h.	Scheme of disposal of excess treated water if any		
21	Infrastructure for Rain water harvesting		NA	
22	Storm water management plan			
23	Air Pollution			
	a.	Sources of Air pollution		
	b.	Composition of Emissions		
	c.	Air pollution control measures proposed and technology employed		
24	Noise Pollution			
	a.	Sources of Noise pollution		
	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	<table border="1"> <tr> <td>Waste sand</td> <td></td> </tr> <tr> <td>Slag</td> <td></td> </tr> <tr> <td>Metal Scrap</td> <td></td> </tr> </table>	Waste sand		Slag		Metal Scrap							
Waste sand															
Slag															
Metal Scrap															
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	<table border="1"> <thead> <tr> <th>Description</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Waste oil</td> <td></td> </tr> <tr> <td>Oil soaked cotton waste</td> <td></td> </tr> <tr> <td>Used oil filters</td> <td></td> </tr> <tr> <td>Discarded Containers</td> <td></td> </tr> <tr> <td>STP Sludge</td> <td></td> </tr> </tbody> </table>	Description	Quantity	Waste oil		Oil soaked cotton waste		Used oil filters		Discarded Containers		STP Sludge	
Description	Quantity														
Waste oil															
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	c.	Quantity of E waste generation with source and mode of Disposal as per norms	-												
26	Risk Assessment and disaster management														
27	POWER														
	a.	Total Power Requirement in the Operational Phase with source													
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply													
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,													
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007													
28	PARKING														
	a.	Parking Requirement as per norms													
	b.	Internal Road width (RoW)													
29	Any other information specific to the project (Specify)														

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent and Environmental Consultant attended the 232nd SEAC meeting held on 17-10-2019 to provide required clarification and additional information.

The committee appraised the proposal considering the Statutory Application Form -I, Pre-feasibility report, proposed ToRs and additional information provided during the meeting.

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

- 1) Availability of raw material in the light of recent Hon'ble Supreme court order mandating to go for e auction may be detailed and submitted.
- 2) The source of water should be firmed up and permission from the CGWA/SGWA if required may be worked out and submitted.
- 3) Handling of tailings and its safe disposal and details of the storage before disposal to end users may be detailed and submitted.
- 4) Chemical and physical analysis of the tailing may be worked out and submitted.
- 5) Material balance in the beneficiation operation may be worked out and submitted.

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

232.7 Proposed Manufacturing active facility pharmaceutical Project at Plot Nos.626 to 641 and 643 to 664 of Harohalli Village, 3rd Phase, KIADB Industrial Area, Kanakapura Taluk, Ramanagara District By M/s. Acebright (India) Pharma Pvt. Ltd. (SEIAA 32 IND 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mrs. Manorama Avinash, Executive Director M/s Acebright (India) Pharma Pvt. Ltd. #77 D & 116/117, KIADB Industrial area Jigani, Bangalore- 560105.
2	Name & Location of the Project	Establishment of new manufacturing unit to manufacture of Active Pharmaceutical Products (API's) at Plot No 626 to 641 and 643 to 664, Harohalli 3rd Phase KIADB Industrial Area, Kanakapura Taluk, Ramanagara District
3	Co-ordinates of the Project Site	12°39'34.00"N; 77°25'45.41"E 12°39'33.95"N 77°25'55.85"E 12°39'18.48"N 77°25'55.57"E 12°39'20.56"N 77°25'45.37"E
4	Environmental Sensitivity	
	a. Distance From nearest Lake/ River/ Nala	Kagalhallidoddi Lake - 0.5 Km, NE Vrishabawathi River - 2.25Km, NW

		Suvarnamukhi Water Reservoir - 1.9Km, W Harohalli Lake-4.5Km, NE																		
b.	Distance from Protected area notified under wildlife protection act	Handigundi Reserved Forest - 5.25 Km, W Bananthimari Reserve Forest - 9.4 Km, SW Bannerhatta National Park - 11.10 Km, E Gangadharan Reserve Forest-6.0Km, SE																		
c.	Distance from the interstate boundary	Nil																		
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(f)																		
6	New/ Expansion/ Modification/	Establishment of new manufacturing unit to manufacture of Active Pharmaceutical Products (API's)																		
7	Plot Area (Sqm)	1,41,223.67 Sqm (34.89 Acres)																		
8	Built Up area (Sqm)	35,3000Sqm																		
9	Component of developments	Establishment of new manufacturing unit to manufacture of Active Pharmaceutical Products (API's)																		
10	Project cost (Rs. In crores)	494.74 Crores																		
11	Details of Land Use (Sqm)																			
a.	Ground Coverage Area	-																		
b.	Kharab Land	-																		
c.	Internal Roads	Roads, Drainage- 16950 Sq.m																		
d.	Paved area																			
e.	Parking	1650 Sq.m																		
f.	Green belt	46650 Sq.m																		
g.	Others Specify	<table border="1"> <tr> <td>Production blocks including solvent recovery plant</td> <td>30739</td> </tr> <tr> <td>Warehouse & Drum Yard</td> <td>12084</td> </tr> <tr> <td>Solvent storage areas</td> <td>4012</td> </tr> <tr> <td>Utilities</td> <td>7912</td> </tr> <tr> <td>Transformer, DG and Power Control systems</td> <td>1450</td> </tr> <tr> <td>QC, Microbiology lab, Office area, R & D & Canteen</td> <td>4785</td> </tr> <tr> <td>ETP, STP, MEE, RO system & Scrap yard</td> <td>6700</td> </tr> <tr> <td>OHC and Security</td> <td>200</td> </tr> <tr> <td>Total</td> <td>67882 Sq.m</td> </tr> </table>	Production blocks including solvent recovery plant	30739	Warehouse & Drum Yard	12084	Solvent storage areas	4012	Utilities	7912	Transformer, DG and Power Control systems	1450	QC, Microbiology lab, Office area, R & D & Canteen	4785	ETP, STP, MEE, RO system & Scrap yard	6700	OHC and Security	200	Total	67882 Sq.m
Production blocks including solvent recovery plant	30739																			
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Utilities	7912																			
Transformer, DG and Power Control systems	1450																			
QC, Microbiology lab, Office area, R & D & Canteen	4785																			
ETP, STP, MEE, RO system & Scrap yard	6700																			
OHC and Security	200																			
Total	67882 Sq.m																			
h.	Total	1,41,223.67 Sqm (34.89 Acres)																		

12	Products and By- Products with quantity (enclose as Annexure if necessary)	Products with quantity enclosed as annexure-1																																													
13	Raw material with quantity and their source (enclose as Annexure if necessary)	List of raw materials enclosed as annexure-7																																													
14	Mode of transportation of Raw material and storage facility	Mode of transportation of raw material and end products: Trucks Raw materials will be stored in warehouse and underground tanks.																																													
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	-NA-																																													
16	Fly ash production, storage and disposal details whereas coal is used as fuel	-NA-																																													
17	Complete process flow diagram and technology employed	Complete process flow diagram enclosed as annexure-2																																													
18	Details of Plant and Machinery with capacity/ Technology used	Details of plant machinery layout plan will be provided in the EIA report.																																													
19	Details of VOC emission and control measures wherever applicable	<u>Emissions</u> Emissions from Boiler & DG sets <u>Control Measures</u> For Boiler- Stack of adequate height DG Set - Acoustic Enclosure.																																													
20	WATER																																														
	I. Construction Phase																																														
a.	Source of water	Borewell/ tankers																																													
b.	Quantity of water for Construction in KLD	50KLD																																													
c.	Quantity of water for Domestic Purpose in KLD	10KLD for labours																																													
d.	Waste water generation in KLD	8KLD																																													
e.	Treatment facility proposed and scheme of disposal of treated water	Wastewater will be treated in mobile STP																																													
	II. Operational Phase																																														
a.	Source of water	Borewell/ tankers																																													
b.	Total Requirement of Water in KLD	<table border="1"> <thead> <tr> <th rowspan="2">SNo.</th> <th rowspan="2">Description</th> <th colspan="3">Water Break Up</th> <th rowspan="2">Effluent treated</th> </tr> <tr> <th>Total water Requirement</th> <th>Water Losses</th> <th>Effluent generated KLD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Domestic</td> <td>50</td> <td>1</td> <td>49</td> <td rowspan="7">09</td> </tr> <tr> <td>2</td> <td>Green Belt</td> <td>339</td> <td>839</td> <td></td> </tr> <tr> <td>3</td> <td>Industrial</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>Process</td> <td>580</td> <td></td> <td>464-ITDS</td> </tr> <tr> <td>5</td> <td>Utility</td> <td></td> <td></td> <td>216-ITDS</td> </tr> <tr> <td>6</td> <td>Cooling Tower</td> <td>440</td> <td>430</td> <td>10</td> </tr> <tr> <td>7</td> <td>Boiler</td> <td>60 (30+30)</td> <td>55</td> <td>5</td> </tr> </tbody> </table>	SNo.	Description	Water Break Up			Effluent treated	Total water Requirement	Water Losses	Effluent generated KLD	1	Domestic	50	1	49	09	2	Green Belt	339	839		3	Industrial				4	Process	580		464-ITDS	5	Utility			216-ITDS	6	Cooling Tower	440	430	10	7	Boiler	60 (30+30)	55	5
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6	Cooling Tower	440	430	10																																											
7	Boiler	60 (30+30)	55	5																																											
c.	Requirement of water for industrial purpose / production in KLD																																														
d.	Requirement of water for domestic purpose in KLD																																														

	e.	Waste water generation in KLD	Total water consumption 1329 KLD, Freshwater requirement: 750 KLD and recycled water: 579 KLD
			Effluent quantity will be 595 cum/day
	f.	ETP/ STP capacity	Effluents will be segregated into HTDS and LTDS.
	g.	Technology employed for Treatment	HTDS effluents will be treated in ETP consisting of solvent stripper, MEE followed by VTFD.
	h.	Scheme of disposal of excess treated water if any	Condensate will be treated in the biological treatment of LTDS followed by RO and RO permeate will be reused for utilities. Salts generated from MEE/ VTFD will be handed over to TSDF (Treatment Storage Disposal facility) facility. Domestic sewage will be treated in the STP consisting of biological treatment plant. RO permeate will be recycled and rejects will be taken to MEE. The effluent treatment facility is based on Zero Liquid Discharge concept. The effluent quantity will be 595 KLD. Treatment scheme is attached as Annexure 4 Sewage- 49 KLD will be treated in the proposed STP (50 KLD capacity) within the premises
21		Infrastructure for Rain water harvesting	Details will be provided in the EIA report.
22		Storm water management plan	Storm water drain will be constructed around the project site.
23		Air Pollution	
	a.	Sources of Air pollution	Air pollution sources and constituents is listed in Annexure - 05.
	b.	Composition of Emissions	
	c.	Air pollution control measures proposed and technology employed	
24		Noise Pollution	
	a.	Sources of Noise pollution	DG sets & Vehicular movement
	b.	Expected levels of Noise pollution in dB	Expected noise levels during day time: < 75dB(A) and during night time : <70dB(A)
	c.	Noise pollution control measures proposed	Acoustic enclosures for DG sets All the sections will be properly constructed with noise absorbing materials; pumps selected are of less noise generating type. Vehicles speed limit restriction within the premises at 15-20kmph and traffic congestion will be avoided by security deployed at the entry/exit gates.

I. Operational Phase		Biodegradable (Domestic)		50MT					
a.		Non- Biodegradable (Domestic)		440 MT					
Quantity of Solid waste generated per day and their disposal		Solid Waste Name		Quantity (MT)		Disposal Facility			
		Paper, Paper board and paper product waste		200 MT		KSPCB Authorized Vendor			
		Wood Waste		100MT		KSPCB Authorized Vendor			
		Glass Waste in non dispersible form		40 MT		KSPCB Authorized Vendor			
		Metal Waste		100 MT		KSPCB Authorized Vendor			
		Organic Waste (Canteen)		50MT		Piggeries			
		b. Quantity of Hazardous Waste generation with source and mode of Disposal as per norms		DESCRIPTION		QUANTIT Y PER YEAR		METHOD OF COLLECTIO N	
Used Oil				60 KL		Collected in leak proof containers			
Oil soaked cotton				9 MT/ annum		Stored in secured manner			
Distillation residue				7807 MT/ annum		Stored in secured manner		2% waste from SRS	
Residues and waste from production of drugs				4540 MT/ annum		Stored in secured manner		Spent Hyflo + Na ₂ SO ₄ + silica gel + mg SO ₄	
Spent Carbon				90 MT/ annum		Stored in secured manner		Activated charcoal waste from process	
Spent organic solvent				8700 KL / annum		Stored in secured manner		All non-recoverable solvents considered	
Discarded liners				90 MT/ annum		Stored in secured manner		Based on quantities of production	
Discarded bottles				18000 Nos/ annum		Stored in secured manner			
Discarded barrels				90000 Nos / annum		Stored in secured			

				manner	
		Chemical sludge from waste water Treatment	7360 MT / annum	Stored in secured manner	Based on TDS of input water calculated.
		Sludge from wet scrubbers	36 MT / annum	Stored in secured manner	Based in neutralized masses in scrubbers.
		Date expired products	5 MT / annum	Stored in secured manner	
		Off specification drugs	36 MT / annum	Stored in secured manner	Rejected raw materials if any, which cannot be taken back, has to be sent for incineration.
		Spent catalyst	2 MT	Stored in secured manner	
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	E-waste: 50Kg/ annum Will be disposed to KSPCB authorized recyclers		
26	Risk Assessment and disaster management		Will be included during the preparation of EIA/EMP report.		
27	POWER				
	a.	Total Power Requirement in the Operational Phase with source	Total Power requirement for the project is 11950KVA. This requirement will be met from BESCO.		
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Total 6 X 2250 KVA DG set will suffice the requirement of backup power supply with good quality HSD.		
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Diesel for DG set.		
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Details will be included during the preparation of EIA/EMP report.		
28	PARKING				
	a.	Parking Requirement as per norms	Details will be included during the preparation of EIA/EMP report.		
	b.	Internal Road width (RoW)	8 meter		

29	Any other information specific to the project (Specify)	--
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The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent and Environmental Consultant attended the 232nd SEAC meeting held on 17-10-2019 to provide required clarification and additional information.

The committee appraised the proposal considering the Statutory Application Form -I, Pre-feasibility report, proposed ToRs and additional information provided during the meeting.

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

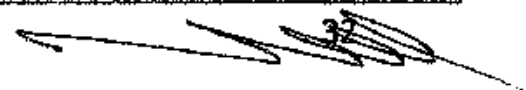
- 1) Explore the feasibility for renewable source such as thermal solar instead of coal for generation of steam and submit the detailed workings.
- 2) Reasons for selecting particular location for sampling purposes may be detailed and verified whether it comply with the predominant windrose direction.
- 3) Toxicity studies for product involving Toluene to be studied and submitted.
- 4) Risk analysis study should include failure probability, credible accidents scenario to be studied and submitted.
- 5) Characterization of MEE salt may be studied and submitted.
- 6) The details showing that this is a permitted activity in this KIADB layout may be submitted.
- 7) Carbon foot print studies and its offset details to be provided for both construction and operation phase.

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

Fresh Subjects:

232.8 Proposed Gadgoli Ordinary Sand Quarry Project at Sy.Nos.14/1, 14/6, 14/7 & 15/1 of Gadgoli Village, Ron Taluk, Gadag District (7-20 Acres) By Sri Shankarappa Kalligonnavar (SEIAA 574 MIN 2019)

Sl.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri.Shankarappa Kalligonnavar, S/oShivappa Kalligonnavar, Mallapur Village, Ron Taluk, Gadag District, Karnataka 582209.



2	Name & Location of the Project	"Gadgoli Ordinary Sand Quarry" Open Quarrying Excavation Sand Block at Sy. No. 14/1, 14/6, 14/7 & 15/1 of Gadgoli Village, Ron taluk, Gadag district, Karnataka.																					
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th colspan="3">GPS READING OF CORNER PILLARS</th> </tr> <tr> <th>CORNER PILLAR</th> <th>LATITUDE</th> <th>LONGITUDE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N15°50'38.88"</td> <td>E75°38'12.83"</td> </tr> <tr> <td>B</td> <td>N15°50'13.80"</td> <td>E75°38'14.70"</td> </tr> <tr> <td>C</td> <td>N15°49'59.12"</td> <td>E75°38'12.83"</td> </tr> <tr> <td>D</td> <td>N15°49'59.22"</td> <td>E75°38'11.90"</td> </tr> <tr> <td>E</td> <td>N15°49'59.80"</td> <td>E75°38'39.89"</td> </tr> </tbody> </table> <p>MAP DATUM - WGS 84</p>	GPS READING OF CORNER PILLARS			CORNER PILLAR	LATITUDE	LONGITUDE	A	N15°50'38.88"	E75°38'12.83"	B	N15°50'13.80"	E75°38'14.70"	C	N15°49'59.12"	E75°38'12.83"	D	N15°49'59.22"	E75°38'11.90"	E	N15°49'59.80"	E75°38'39.89"
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D	N15°49'59.22"	E75°38'11.90"																					
E	N15°49'59.80"	E75°38'39.89"																					
4	Type of Mineral	Ordinary Sand																					
5	New/ Expansion/ Modification / Renewal	New																					
6	Type of Land [Forest, Government Revenue, Gomal, Private/ Patta, Other]	Patta Land																					
7	Whether the project site fall within ESZ/ ESA	No																					
8	Area in Ha	3.035 Ha																					
9	Actual Depth of sand in the lease area in case of River sand	NA																					
10	Depth of Sand proposed to be removed	5.00m																					
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline	It's a Ordinary Sand Quarry.																					
12	Measurements of the existing quarry pits in case of ongoing/ expansion/ modification of mining proposal other than river sand	Fresh Land																					
13	Annual Production Proposed (Metric Tons/CUM)/ Annum	39,000 Tons/ annum																					
14	Quantity of Topsoil/ Overburden in cubic	0.5m Topsoil																					
15	Mineral Waste Handled (Metric Tons/CUM)/ Annum	--																					
16	Project Cost (Rs. In Crores)	0.72 crores																					
17	Environmental Sensitivity																						
	a. Nearest Forest	Budihal Reserved Forest -2.50 kms(N)																					
	b. Nearest Human Habitation	Gadgoli Village -0.70 Km N																					

	c.	Educational Institutes, Hospital	Ron-18.30 Km(SE)	
	d.	Water Bodies	Malaprabha River- 0.82 km(S)	
	e.	Other Specify	--	
18	Applicability of General Condition of the ELA Notification, 2006			
19	Details of Land Use in Ha			
	a.	Area for Mining/Quarrying	2.267	
	b.	Waste Dumping Area	--	
	c.	Top Soil Storage Area	--	
	d.	Road Area	--	
	e.	Green Belt Area/Buffer Zone	0.768	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20	Method of Mining/Quarrying		Semi Mechanized Open quarrying excavation	
21	Rate of Replenishment in case		Quarry plan is Enclosed	
22	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	1.83KLD
			Domestic	0.87KLD
			Other	0.5KLD
			Total	3.2KLD
23	Stormwater management plan		River course will not be altered hence no	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent and Environmental Consultant attended the 232nd SEAC meeting held on 17-10-2019 to provide required clarification and additional information.

The committee appraised the proposal considering the Statutory Application Form -I, Pre-feasibility report, proposed ToRs and additional information provided during the meeting.

The proponent has produced a combined sketch indicating that there are four leases including this lease within the 500 meter radius from this lease and the total area of these leases is 33 Acres 5 guntas and this being more than the threshold limit of 5 Ha. committee decided to categorise this project under B1 category and recommended to

issue of standard ToRs to conduct the EIA studies in accordance with the EIA Notification, 2006 and relevant guidelines. The proponent has stated that he has started collecting data from 1st October and requested the committee to permit him to utilize the same data. The committee after discussion decided to permit this data for EIA study.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.9 Proposed Shahabad Stone Quarry Project at Sy.No.225/5 of Bhankur Village, Chittapur Taluk, Kalburgi District (1-00 Acre) by Sri Rajgopal (SEIAA 576 MIN 2019)

Sl No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Rajgopal S/o Sri. Purnamal R/o Shahabad, Chittapur Taluk Kalburgi District, Karnataka		
2	Name & Location of the Project	Shahabad Stone Quarry in an extent of 1-00 Acres of Patta Land bearing Sy. No. 225/5 of Bhankur Village, Chittapur Taluk, Kalburgi District.		
3	Co-ordinates of the Project Site	Point	Latitude	Longitude
		A	N 17°07'28.2"	E 76°57'07.3"
		B	N 17°07'31.2"	E 76°57'06.0"
		C	N 17°07'33.2"	E 76°57'05.4"
		D	N 17°07'33.4"	E 76°57'06.5"
		E	N 17°07'28.4"	E 76°57'07.7"
4	Type of Mineral	Shahabad stone		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Patta Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	0.4046 Ha		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to 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/modification of mining proposals other than river sand	NA	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	25,933(Avg.) Sqm/ Annum	
14	Quantity of Topsoil/ Over burden in cubic meter	None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	17,288 Sqm/ Annum	
16	Project Cost (Rs. In Crores)	0.10	
17	Environmental Sensitivity		
	a. Nearest Forest	None within the 5 km radius	
	b. Nearest Human Habitation	Bhankur - 3.11 Km	
	c. Educational Institutes, Hospital	Chittapur - 13.60 Km	
	d. Water Bodies	Kanga River-1.11 Km E Bhima River-9.6 Km S-SW Toranhalli Kere-W-NW	
	e. Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006	None	
19	Details of Land Use in Acres		
	a. Working area	0-17	
	b. Waste dump yard	0-01	
	c. Roads	0-01	
	d. Infrastructure	0-01	
	e. Proposed Buffer Zone	0-14	
	f. Area Undisturbed	0-06	
20	Method of Mining/ Quarrying	Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project	NA	
22	Water Requirement		
	a. Source of water	Nearby Bore well Water	
	b. Total Requirement of Water in KLD	Dust Suppression	2.70KLD
		Domestic	0.30 KLD
		Other	1.00 KLD
		Total	4.00 KLD
23	Storm water management plan	Will be carried out.	
24	Any other information specific to the project (Specify)	None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 232nd meeting held on 17-10-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.10 Proposed Grey Granite Quarry Project at Sy.Nos.227/P1 & 232/P1 of Mittemari Village, Bagepalli Taluk, Chikkaballapura District (Q.L.No.867) (5-00 Acres) By Smt. Deepa Srinivasa (SEIAA 586 MIN 2019)

Sl No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Smt. DeepaSrinivas No - 10, Vijayalakshmi Nilaya, 3rd Main, D. N. Ramaiah Layout, Sheshadripuram, Bangalore - 560 020		
2	Name & Location of the Project	"Grey Granite Quarry" of Smt. DeepaSrinivas Sy No. 227/P1 & 232/P1, Mittemari Village, Bagepalli Taluk, Bagepalli District, Karnataka.		
3	Co-ordinates of the Project Site	Point	Latitude	Longitude
		A	13°40'43.3" N	77°54'18.6"E
		B	13°40'46.5" N	77°54'17.6"E
		C	13°40'48.3" N	77°54'24.0"E
		D	13°40'45.3" N	77°54'25.0"E
4	Type of Project	Grey Granite		
5	New / Expansion / Modification / Renewal	Existing (QL No. 867)		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government KarabGomalaLand		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	2.023 Ha		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed in case of River sand	NA		
11	Rate of replenishment in case of	It's Grey Granite Quarry		

	river sand mining as specified in the sustainable sand mining guideline 2016	
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	873.0 MSL (Existing pit Level)
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	7,668 Cu.m/ Annum
14	Quantity of Topsoil/Over burden in cubic meter	No topsoil to be proposed during plan period
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	5,112Cu.mof waste
16	Project Cost (Rs. In Crores)	1.11crores
17	Environmental Sensitivity	
	a. Nearest Forest	ItikaldurgaBlock 3 Reserved Forest -0.20 kms(N)
	b. Nearest Human Habitation	Surappalli Village - 0.23 Kms (SE)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Bagepalli - 31.82 Kms (SW)
	d. Water Bodies	Surappallipond -0.60 Kms (SE) Kanampalli Pond -1.90 Kms(S)
	e. Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006	NA
19	Details of Land Use in Ha	
	a. Area for Mining/ Quarrying	0.870
	b. Waste Dumping Area	0.420
	c. Top Soil yard	--
	d. Mineral Storage Area	0.010
	e. Infrastructure Area	0.015
	f. Road Area	0.070
	g. Green Belt Area	0.200
	h. Unexplored area	0.378
	i. Others Specify	0.060
20	Method of Mining/ Quarrying	Semi Mechanised Method
21	Rate of Replenishment in case River sand project	NA
22	Water Requirement	
	a. Source of water	Borewell from the village
	b. Total Requirement of Water in KLD	Dust Suppression 10.50KLD

		Domestic	1.203 KLD
		Other	1.55 KLD
		Total	14.8 KLD
23	Storm water management plan	Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)	NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted some inconsistencies in the quarry plan and the land use details and also NoC from the Revenue Authority is not forthcoming for which the proponent has stated that he will come back after rectifying this inconsistencies.

Hence the committee after discussion decided to defer the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.11 Proposed Building Stone Quarry Project at Sy.No.622 of Shivapura Village, Kudligi Taluk, Ballari District (3.30 Acres) By Smt. L.V. Sudha (SEIAA 587 MIN 2019)

Sl. No	PARTICULARS	INFORMATION																				
1	Name & Address of the Project Proponent	Smt. L.V.Sudha W/o L.Veesh, 19 th Ward, Cowlpet New Road, Hosapete - 583 201, Ballari District, Karnataka																				
2	Name & Location of the Project	"Building Stone Quarry" Sy. No. 622) Shivapura Village, Kudligi Taluk, Ballari District.																				
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th colspan="3">Datum - wgs84</th> </tr> <tr> <th>Pillar</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>14° 56' 33.1"</td> <td>76° 22' 31.6"</td> </tr> <tr> <td>2</td> <td>14° 56' 34.9"</td> <td>76° 22' 36.6"</td> </tr> <tr> <td>3</td> <td>14° 56' 33.0"</td> <td>76° 22' 37.6"</td> </tr> <tr> <td>4</td> <td>14° 56' 30.2"</td> <td>76° 22' 31.7"</td> </tr> </tbody> </table>			Datum - wgs84			Pillar	Latitude	Longitude	1	14° 56' 33.1"	76° 22' 31.6"	2	14° 56' 34.9"	76° 22' 36.6"	3	14° 56' 33.0"	76° 22' 37.6"	4	14° 56' 30.2"	76° 22' 31.7"
Datum - wgs84																						
Pillar	Latitude	Longitude																				
1	14° 56' 33.1"	76° 22' 31.6"																				
2	14° 56' 34.9"	76° 22' 36.6"																				
3	14° 56' 33.0"	76° 22' 37.6"																				
4	14° 56' 30.2"	76° 22' 31.7"																				
4	Type of Mineral	Building Stone																				

5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	1.335 Ha (3.30 Acres)
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	Rate of replenishment in case of river sand mining as specified in the sustainable sandmining guideline 2016	NA/ Building Stone Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA / New quarry
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	50,055Tonnes per annum salable Building Stone Quarry
14	Quantity of Topsoil/Over burden in cubic meter	Nil
15	Mineral WasteHandled (Metric Tons/ CUM)	1,022 Tons/Annum
16	Project Cost (Rs. In Crores)	50 lakhs
17	Environmental Sensitivity	
	a. Nearest Forest	Shivapura Reserved Forest - 2.7km - North
	b. Nearest Human Habitation	BandiBasapura Village - 1.0 Kms (N)
	c. Educational Institutes, Hospital	Kudligi - 4.0Kms
	d. Water Bodies	Kaivalyapura Water tank - 0.6 Km (SW)
	e. Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006	--
19	Details of Land Use in Hectares	
	a. Area for Mining/ Quarrying	0.926

	b.	Waste Dumping Area	--
	c.	Top Soil Storage Area	
	d.	Mineral Storage Area	--
	e.	Infrastructure Area	
	f.	Road Area	0.050
	g.	Green Belt Area/ Buffer Zone	0.359
	h.	Unexplored area	--
	i.	Others Specify	--
20		Method of Mining/ Quarrying	Semi Mechanized Method Open quarrying
21		Rate of Replenishment in case River sand project	NA
22		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 and Plantation 4.5 KLD Domestic 1.5 KLD Total 6.0 KLD
23		Storm water management plan	Drains will be constructed along the boundary of activity area
24		Any other information specific to the project (Specify)	NA

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving Building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease has been notified on 16-1-2017 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is a level difference of 22 meters and taking this into consideration committee opined that the proposed quantity of 3,67,263 tons or 1,37,551 cum can be mined safely and scientifically within the lease period for a quarry pit depth of 10 meters.

The proponent has also stated that there is a existing cart track road to a length of 1.30 KM joining the lease area to all weather road black topped road. The proponent has

stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The proponent has also submitted extended cluster sketch prepared by the DMG wherein it has been stated that there are one other quarries which has been notified and application for EC has not yet been made out. The total area of these two leases including this lease is 11.30 Acres within the 500 meter radius from this lease and this being less than the threshold limit of 5 Ha. committee decided to categorise this project under B2 category and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.8.00 lakhs to take up sanitation, water supply and afforestation in Shivapura - Gollarahatti which is a distance of 1.0 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.12 Proposed Expansion of Building Stone Quarry Project at Sy.Nos.43-A/287+290+295-A of Plot No.276 of Ramanagara (Adali) Village, Joida Taluk, Uttarakannada District (Q.L.No.553) (5-00 Acres) By M/s. G.V.R. Infra Project Ltd. (SEIAA 588 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	M/s. G. V. R. Infra project Ltd, Prop: K. Muddukrishnam Naidu, Ramanagara Village & Post, Joida Taluk, Uttar Kannada District, Karnataka		
2	Name & Location of the Project	"Building Stone Quarry" of M/s. G. V. R. Infra Project Ltd Authorized Signatory Sy No. 43-A/287+290+295-A of Plot No. 276, Ramanagara (Adali) Village, Joida Taluk Uttar Kannada District, Karnataka		
3	Co-ordinates of the Project Site	Corner Pillar	Latitude	Longitude
		A	15 ^o 24' 16.0"	74 ^o 28' 44.5"
		B	15 ^o 24' 13.0"	74 ^o 28' 46.5"

		C	15° 24' 11.0"	74° 28' 42.7"
		D	15° 24' 09.03"	74° 28' 39.75"
		E	15° 24' 11.96"	74° 28' 38.32"
		F	15° 24' 14.3"	74° 28' 41.7"
		MAP DATUM -WGS 84 DATUM		
4	Type of Mineral	Building Stones		
5	New / Expansion / Modification / Renewal	Expansion(QL No. 553)		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	2.02Ha		
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	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Building Stone Quarry		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	555.10 Mts		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	Building stone production of 1,50,000 tons per annum		
14	Quantity of Topsoil/Over burden in cubic meter	There is Notopsoil Available in this area.		
15	Mineral Waste Handled (Metric Tons/ CUM)	39,475Tons for 5 years		
16	Project Cost (Rs. In Crores)	0.79crores		
17	Environmental Sensitivity			
	a. Nearest Forest	Reserved Forest - 800m (N)		
	b. Nearest Human Habitation	Ramanagara - 0.85 kms(NE)		
	c. Educational Institutes, Hospital	Ramanagara - 0.85 kms(NE)		
	d. Water Bodies	Pandhri halla - 2.20 kms(W) Gangavalli river - 3.80 kms(NW)		
	e. Other Specify	--		
18	Applicability of General	--		

	Condition of the EIA Notification, 2006		
19	Details of Land Use in Hectares		
	a. Area for Mining/ Quarrying	4-00	
	b. Waste Dumping Area	0-02	
	c. Top Soil Storage Area	0-06	
	d. Mineral Storage Area		
	e. Infrastructure Area		
	f. Road Area	0-02	
	g. Green Belt Area/Buffer Zone	0-30	
	h. Unexplored area	--	
	i. Others Specify	--	
20	Method of Mining/ Quarrying	Semi Mechanised Method Open quarrying	
21	Rate of Replenishment in case River sand project	NA	
22	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	8.4 KLD
		Domestic	1.9 KLD
		Other	1.2 KLD
		Total	11.5 KLD
23	Storm water management plan	Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)	NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 232nd meeting held on 17-10-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.13 Proposed Building Stone (M-Sand) Quarry Project at Sy.No.95(P) of Haligera Village, Yadgir Taluk & District (1-00 Acre) By Sri Dheeraj Kumar (SEIAA 589 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
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1	Name & Address of the Project Proponent	Sri. Dheerajkumar S/O Subhasha Rao Dhadange. H.No.3-3-51/3, Kumbarwadi, Taluk: Yadgir Dist :Yadgir, State :Karnataka.		
2	Name & Location of the Project	Haligera Village Yadgir Taluk, Yadgir District, Karnataka.		
3	Co-ordinates of the Project Site	Corner Point	Latitude	Longitude
		1.	N16°44'14.0"	E77°12'33.2"
		2.	N16°44'17.0"	E77°12'32.9"
		3.	N16°44'17.1"	E77°12'34.5"
4.	N16°44'14.2"	E77°12'34.9"		
4	Type of Mineral	Building Stone.		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt Land.		
7	Whether the project site fall with in ESZ/ESA	No		
8	Area in Ha	1.00 Acre (0.4048 Ha) Sy No:95(p)		
9	Actual Depth of building stone in the lease area /Patta Land building stone	Depth of building stone in Govt land -20 mt(from top level).		
10	Depth of building stone proposed to be removed	Depth of building stone proposed-10 mt		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	Max- 38000 TPA and Min-14260 TPA .05 years-142519 tons		
12	Quantity of Topsoil/Over burden in cubic meter	Max Waste-2000 tons/ annum and Min Waste-750 tons/ annum .05 years-7500 tons		
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Nil		
14	Project Cost (Rs. In Crores)	10 Lakh.		
15	Environmental Sensitivity			
	a.	Nearest Forest	Nil with in 10km.	
	b.	Nearest Human Habitation	Haligera -1.0 km	
	c.	Educational Institutes,	Yadgir -6.05km	

		Hospital		
	d.	Water Bodies	Haligera Water pond-1.050 km.	
	e.	Other Specify	Nil	
16	Applicability of General Condition of the EIA Notification, 2006			
17	Details of Land Use in A-G			
	a.	Area for Mining/ Quarrying	0-27	
	b.	Road Area	0-01	
	c.	Others Specify Safety Zone	0-12	
		Total	1.0 Acre (0.4048Ha)	
18	Method of Mining/ Quarrying		Semi Mechanised Quarrying	
19	Water Requirement			
	a.	Source of water	Near by agriculture borwell.	
	b.	Total Requirement of Water in KLD	Dust Suppuration	6.0
			Domestic	1.5
			Other, Plantation	2.5
			Total	10.0
20	Storm water management plan		--	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving Building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease has been notified on 3-6-2019 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is a level difference of 14 meters and taking this into consideration committee opined that 70% of the proposed quantity of 1,42,590 tons or 53,579 cum can be mined safely and scientifically and safely within the lease period for a quarry pit depth of 10meters.

The proponent has also stated that there is a existing cart track road to a length of 430 meters joining the lease area to all weather black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The proponent has also submitted extended cluster sketch prepared by the DMG wherein it has been stated that there are eleven leases including this lease within the 500 meter radius from this lease and leases for seven leases are exempted from cluster effect because of the fact the EC for the same were issued prior to 15-1-2016. The total area of balance four leases is 4 Acres 20 guntas and this being less than the threshold limit of 5 Ha, committee decided to categorise this under B2 category and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.3.00 lakhs to take up works in connection with rejuvenation of Haligera water pond which is a distance of 1.05 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.14 Proposed Pink Granite Quarry Project at Sy.No.80(P) of Yelladu Village, Gudibande Taluk, Chikkaballapur District (Q.L.No.407) (1-23 Acres) By M/s. CHENNAKESHAVA ENTERPRISES (SEIAA 590 MIN 2019)

Sl. No	PARTICULARS	INFORMATION																		
1	Name & Address of the Project Proponent	M/S. CHENNAKESHAVA ENTERPRISES Partner : sri S. Pradeep No. 120, Hoodi Apartments, Cunningham Road, Bangalore - 560052																		
2	Name & Location of the Project	"Pink Granite Quarry" of M/S. CHENNAKESHAVA ENTERPRISES Sy. Sy. No: 80 (PART), Yellodu Village, Gudibande Taluk, Chickballapur District, Karnataka																		
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th>POINTS</th> <th>LATITUDE</th> <th>LONGITUDE</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>N 13° 44' 57.2"</td> <td>E 077° 40' 58.0"</td> </tr> <tr> <td>A</td> <td>N 13° 44' 57.9"</td> <td>E 077° 40' 58.9"</td> </tr> <tr> <td>B</td> <td>N 13° 44' 57.9"</td> <td>E 077° 40' 58.3"</td> </tr> <tr> <td>C</td> <td>N 13° 44' 55.3"</td> <td>E 077° 40' 58.4"</td> </tr> <tr> <td>D</td> <td>N 13° 44' 55.2"</td> <td>E 077° 40' 58.4"</td> </tr> </tbody> </table>	POINTS	LATITUDE	LONGITUDE	X	N 13° 44' 57.2"	E 077° 40' 58.0"	A	N 13° 44' 57.9"	E 077° 40' 58.9"	B	N 13° 44' 57.9"	E 077° 40' 58.3"	C	N 13° 44' 55.3"	E 077° 40' 58.4"	D	N 13° 44' 55.2"	E 077° 40' 58.4"
POINTS	LATITUDE	LONGITUDE																		
X	N 13° 44' 57.2"	E 077° 40' 58.0"																		
A	N 13° 44' 57.9"	E 077° 40' 58.9"																		
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C	N 13° 44' 55.3"	E 077° 40' 58.4"																		
D	N 13° 44' 55.2"	E 077° 40' 58.4"																		
4	Type of Project	Pink Granite Quarry																		

5	New / Expansion / Modification / Renewal	Renewal(QL.No - 407)
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	0.637 Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to 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	It's Pink Granite Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Working expected to reach 690 mts RL level during plan period
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	Pink Granite quarrying 3,000 Cubic meters/ Annum
14	Quantity of Topsoil/Over burden in cubic meter	No topsoil to be proposed during plan period
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	17,000 Cubic meters/ Annum of rejects which can be used as Building Stone.
16	Project Cost (Rs. In Crores)	1.24crores
17	Environmental Sensitivity	
	a. Nearest Forest	Errakonda Extension Reserved Forest-4.36Kms(N)
	b. Nearest Human Habitation	Yellodu -1.15 Km (SE)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Gudibande - 8.87 Kms(SE)
	d. Water Bodies	Gopindevarapalli Pond-10.56 Kms(W) Manepalle Pond - 11.46 Kms (W)
	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	1-00
	b. Waste Dumping Area	0-02
	c. Top Soil yard	
	d. Mineral Storage Area	--

	e.	Infrastructure Area		
	f.	Road Area	--	
	g.	Green Belt Area	0-09	
	h.	Unexplored area	0-12	
	i.	Others Specify		
20		Method of Mining/ Quarrying	Fully Mechanised Method	
21		Rate of Replenishment in case River sand project	NA	
22		Water Requirement		
	a.	Source of water	Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	9.1KLD
			Domestic	1.2 KLD
			Other	1.5 KLD
			Total	11.8 KLD
23		Storm water management plan	Drains will be constructed along the boundary of activity area	
24		Any other information specific to the project (Specify)	NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving ornamental stone mining in Government land. The lease for the same was granted in 16-1-2001 for 20 years i.e., upto 15-1-2021 for this the proponent has stated that the lease period will automatically deemed to be extended for further 10 years i.e., upto 15-1-2031. The proponent has stated that he has carried out the mining activity from 2001 to 2011 and no activities has been carried out since 2011. The total quantity mined between 2001 and 2011 is 913.975 cum as per audit report. The proponent has stated that he has obtained NoCs from Forest and Revenue Departments and joint inspection report in 2000 itself.

As seen from the quarry plan there is a level difference of 5.5 meters and taking this into consideration 55% of proposed gross quantity of 1,19,299 cum can be mined safely and scientifically within the lease period. The proponent has stated that the recovery is 15% in the form of commercial blocks i.e., 9,842 cum and 85% waste, i.e., 55,772 cum which will be converted to building stone and the same has been reflected in approved mining plan.

As per the cluster sketch prepared by DMG there are four leases including this lease within the 500 meters radius from this lease and the leases for all these proposals

were granted prior to 9-9-2013 and hence exempted from cluster effect. The proponent has also stated that the project does not fall within the 10 KM radius from National park/Wildlife sanctuary.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 430 meters connecting the lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.3.00 lakhs for a plan period of five years to take rejuvenation of Chowtakuntanahalli kere which is at a distance of 300 meters from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.15 Proposed Pink Granite Quarry Project at Sy.No.80(P) of Yelladu Village, Gudibande Taluk, Chikkaballapur District (Q.L.No.408) (1-20 Acres) By Smt. VIJAYAVANI SRINIVAS (SEIAA 591 MIN 2019)

Sl No	PARTICULARS	INFORMATION																		
1	Name & Address of the Project Proponent	SMT. VIJAYAVANI SRINIVAS Spl. P. A. Holder : Sri K. Thangaraj No. 120, Hoodi Apartments, Cunningham Road, Bangalore - 560052																		
2	Name & Location of the Project	"Pink Granite Quarry" of SMT. VIJAYAVANI SRINIVAS Sy. No: 80 (PART), Yellodu Village, Gudibande Taluk, Chickballapur District, Karnataka																		
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th>POINTS</th> <th>LATITUDE</th> <th>LONGITUDE</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>N 13°44' 57.1"</td> <td>E 077°40' 50.9"</td> </tr> <tr> <td>A</td> <td>N 13°44' 57.9"</td> <td>E 077°40' 53.3"</td> </tr> <tr> <td>B</td> <td>N 13°44' 58.0"</td> <td>E 077°40' 55.8"</td> </tr> <tr> <td>C</td> <td>N 13°44' 55.9"</td> <td>E 077°40' 55.0"</td> </tr> <tr> <td>D</td> <td>N 13°44' 55.2"</td> <td>E 077°40' 53.1"</td> </tr> </tbody> </table>	POINTS	LATITUDE	LONGITUDE	X	N 13°44' 57.1"	E 077°40' 50.9"	A	N 13°44' 57.9"	E 077°40' 53.3"	B	N 13°44' 58.0"	E 077°40' 55.8"	C	N 13°44' 55.9"	E 077°40' 55.0"	D	N 13°44' 55.2"	E 077°40' 53.1"
POINTS	LATITUDE	LONGITUDE																		
X	N 13°44' 57.1"	E 077°40' 50.9"																		
A	N 13°44' 57.9"	E 077°40' 53.3"																		
B	N 13°44' 58.0"	E 077°40' 55.8"																		
C	N 13°44' 55.9"	E 077°40' 55.0"																		
D	N 13°44' 55.2"	E 077°40' 53.1"																		
4	Type of Project	Pink Granite Quarry																		

5	New / Expansion / Modification / Renewal	Existing (QL No. 407)
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	0.607 Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to 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	It's Pink Granite Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	726.50 MSL (Existing pit Level)
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	Pink Granite quarrying 3,000 Cubic meters/ Annum
14	Quantity of Topsoil/Over burden in cubic meter	No topsoil to be proposed during plan period
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	17,000 Cubic meters/Annum.
16	Project Cost (Rs. In Crores)	1.23crores
17	Environmental Sensitivity	
	a. Nearest Forest	Errakonda Extension Reserved Forest -3.50 kms(N)
	b. Nearest Human Habitation	Yellodu -1.15 Km (SE)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Gudibande - 8.87 Kms(SE)
	d. Water Bodies	Chowtakuntahallipond -0.30 Kms (S) Yellodu Pond -1.90 Kms(SE)
	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	0.407
	b. Waste Dumping Area	0.068
	c. Top Soil yard	
	d. Mineral Storage Area	--

	e.	Infrastructure Area		
	f.	Road Area	--	
	g.	Green Belt Area	0.162	
	h.	Unexplored area	--	
	i.	Others Specify		
20		Method of Mining/ Quarrying	Fully Mechanised Method	
21		Rate of Replenishment in case River sand project	NA	
22		Water Requirement		
	a.	Source of water	Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	9.1KLD
			Domestic	1.2 KLD
			Other	1.5 KLD
			Total	11.8 KLD
23		Storm water management plan	Drains will be constructed along the boundary of activity area	
24		Any other information specific to the project (Specify)	NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this project is located at one KM from the interstate boundary for which the proponent has stated that the general conditions are exempted upto 25 Ha. and requested the committee to categorise under B category.

This is a proposal involving ornamental stone mining in Government land. The lease for the same was granted in 16-1-2001 for 20 years i.e., upto 15-1-2021 for this the proponent has stated that the lease period will automatically deemed to be extended for further 10 years i.e., upto 15-1-2031. The proponent has stated that he has carried out the mining activity from 2001 to 2011 and no activities has been carried out since 2011. The total quantity mined between 2001 and 2011 is 833.30 cum as per audit report. The proponent has stated that he has obtained NoCs from Forest and Revenue Departments and joint inspection report in 2000 itself.

As seen from the quarry plan there is a level difference of 22 meters and taking this into consideration 90% of the proposed gross quantity of 1,16,139 cum can be mined safely and scientifically within the lease period. The proponent has stated that the recovery is 15% in the form of commercial blocks i.e., 15,700 cum and 85% waste, i.e.,

88,846 cum which will be converted to building stone and the same has been reflected in approved mining plan.

As per the cluster sketch prepared by DMG there are four leases including this lease within the 500 meters radius from this lease and the leases for all these proposals were granted prior to 9-9-2013 and hence exempted from cluster effect. The proponent has also stated that the project does not fall within the 10 KM radius from National park/Wildlife sanctuary.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 450 meters connecting the lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.5.00 lakhs for a plan period of five years to take rejuvenation of Chowtakuntanahalli kere which is at a distance of 350 meters from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.16 Proposed Pink Granite Quarry Project at Sy.Nos.33/3 & 32/3 of Kallagonal Village, Kustagi Taluk, Koppal District (3-35 Acres) By Sri Bhojaraj L Arasiddi (SEIAA 592 MIN 2019)

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 232nd meeting held on 17-10-2019 to provide required clarification. The proponent remained absent and have sent an Email on 15-10-2019, that he is unable to attend the.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.17 Proposed Grey Granite Quarry Project at Sy.No.291/2 of Kallur Village, Yelburga Taluk, Koppal District (3-30 Acres) By Sri Sharanappa V. Bhandihal (SEIAA 596 MIN 2019)

Sl.No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri Sharanappa Veerabadrappa Bandihal Datta Colony, Kukanur-813 232 Yelburga Taluk, Koppal District
2	Name & Location of the Project	Kallur Grey Granite Quarry QL.Applied, in 3-30 Acres(1.518 Ha) Sy.Nos. 291/1, Patta Land, Kallur Village, Yelburga Taluk, Koppal District
3	Co-ordinates of the Project Site	sheet No 57 A/2 Latitude:N 15° 32' 10.5" to N 15° 32' 16.1" Longitude:E 76° 00' 48.6" to E 76° 00' 51.9"
4	Type of Mineral	Ornamental Stone
5	New / Expansion / Modification / Renewal	New
6	Type of Land(Forest, Government Revenue, Gomal,Private/Patta, Others)	Patta Land
7	Whether the project site fall within ESZ / ESA	No
8	Area in Ha.	1.518 Ha
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	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guide line 2016.	NA.
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh grant, No pit
13	Annual Production Proposed (Metric Tons/CUM)/ Annum	6,567 Cum/ Annum (maximum)
14	Quantity of Top Soil / Over burden in cubic meter	No or Small quantity of Top Soil

15	Mineral Waste to be handled(Metric tonnes / CUM)/Annum	12,196 Cum/Annum	
16	Project Cost (in Crores)	0.25 Crore	
17	Environmental Sensitivity		
	a. Nearest Forest	No Reserve Forest within 10.0 kms.	
	b. Nearest Human Habitation	Kallur Village -1.00 kms South	
	c. Institutes, Hospital	Kukanur- 4.66 kms SW	
	d. Water Bodies	Benakal Water Tank- 8.10 kms SE Seasonal Hire Hilla-1.46 kms NE	
	e. Others Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006.	--	
19	Details of Land Use in Acres		
	a. Area for Mining / Quarrying	2.16 Acres (0.874 Ha)	
	b. Waste Dumping Area	0.45 Acres (0.182 Ha)	
	c. Top Soil Storage Area	--	
	d. Mineral Storage Area	0.24 Acres (0.097 Ha)	
	e. Infrastructure Area	0.04 Acres (0.016 Ha)	
	f. Road Area	0.01 Acres (0.004 Ha)	
	g. Green Belt Area/Buffer Zone	0.85Acres (0.343 Ha)	
	h. Unexplored Area	--	
	i. Others Specify	--	
	Total	3.75 Acres (3-30 Acres) (1.518Ha)	
20	Method of Mining / Quarrying	Open Cast Other Than Fully Mechanised Method (OTFM)	
21	Rate of replenishment in case of River Sand Project	NA	
22	Water Requirement		
	a. Source of water	Borewell from nearby Village	
	b. Total Requirement of Water in KLD	Domestic	1.87 KLD
		Gardening	1.50 KLD
		Dust Suppression	2.00 KLD
		Total	5.37 KLD
23	Storm water management plan	Drains will be constructed along the lease boundary & Check Dam at the end of the drain to contain the silt and sediments.	
24	Any other information specific to the	NA	

project(Specify)	
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The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent and Environmental Consultant attended the 232nd SEAC meeting held on 17-10-2019 to provide required clarification and additional information.

The committee appraised the proposal considering the Statutory Application Form -I, Pre-feasibility report, proposed ToRs and additional information provided during the meeting. The committee noted that this is a proposal involving ornamental stone mining in patta land. As per the statement of the proponent there is one other quarry and combined area of these two quarries is 5.907 Ha. and which being more than the threshold limit of 5 Ha, committee decided to categorise under B1 and recommended for issue of ToRs to conduct EIA studies as per the EIA Notification 2006.

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

232.18 Proposed Building Stone Quarry Project at Sy.No.20 of Muntakadirenahalli Village, Chitamani Taluk, Chikkaballapura District (4-10 Acres) By Sri M.S. Pradeep (SEIAA 598 MIN 2019)

Sl. No	PARTICULARS	INFORMATION																
1	Name & Address of the Project Proponent	"Building. Stone Quarry" of Sri M S Pradeep S/o M S Suresh Babu, No-1, Near Yagnavalkya Mandir, Venkateswara Extension, Chitamani Taluk, Chickballapur District-563125																
2	Name & Location of the Project	"Building. Stone Quarry" of Sri M S Pradeep Sy No: 20, Muntakadirenahalli Village, Chitamani Taluk, Chikkaballapur District, Karnataka																
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 13° 26' 17.4"</td> <td>E 78° 02' 37.2"</td> </tr> <tr> <td>N 13° 26' 16.6"</td> <td>E 78° 02' 41.6"</td> </tr> <tr> <td>N 13° 26' 14.2"</td> <td>E 78° 02' 41.5"</td> </tr> <tr> <td>N 13° 26' 14.4"</td> <td>E 78° 02' 39.7"</td> </tr> <tr> <td>N 13° 26' 11.3"</td> <td>E 78° 02' 39.3"</td> </tr> <tr> <td>N 13° 26' 11.5"</td> <td>E 78° 02' 38.3"</td> </tr> <tr> <td>N 13° 26' 14.8"</td> <td>E 78° 02' 36.6"</td> </tr> </tbody> </table>	Latitude	Longitude	N 13° 26' 17.4"	E 78° 02' 37.2"	N 13° 26' 16.6"	E 78° 02' 41.6"	N 13° 26' 14.2"	E 78° 02' 41.5"	N 13° 26' 14.4"	E 78° 02' 39.7"	N 13° 26' 11.3"	E 78° 02' 39.3"	N 13° 26' 11.5"	E 78° 02' 38.3"	N 13° 26' 14.8"	E 78° 02' 36.6"
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N 13° 26' 11.5"	E 78° 02' 38.3"																	
N 13° 26' 14.8"	E 78° 02' 36.6"																	
4	Type of Project	Building Stone																

5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Revenue Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	1.72 Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to 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	It's Building Stone.
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	It's a Fresh Land
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	1,64,245TPA
14	Quantity of Topsoil/ Over burden in cubic meter	No topsoil to be proposed during plan period
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	3,352TPA
16	Project Cost (Rs. In Crores)	0.81crores
17	Environmental Sensitivity	
	a. Nearest Forest	KonapalliState Forest -2.15 kms (W)
	b. Nearest Human Habitation	Muntakadirenahalli village-1.2 Kms(SW)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Chitamani - 3.5 Kms (S)
	d. Water Bodies	MuntakadirenahalliPond-0.55kms(SE) NakkundhiKere-0.80Kms(NW)
	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	3-10
	b. Waste Dumping Area	0-05
	c. Top Soil yard	--
	d. Mineral Storage Area	0-05

	e.	Infrastructure Area	0-01	
	f.	Road Area	0-02	
	g.	Green Belt Area	0-27	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20		Method of Mining/ Quarrying	Semi Mechanised Method	
21		Rate of Replenishment in case River sand project	NA	
22		Water Requirement		
	a.	Source of water	Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	7.95KLD
			Domestic	1.20 KLD
			Other	1.55 KLD
			Total	10.7 KLD
23		Storm water management plan	Drains will be constructed along the boundary of activity area	
24		Any other information specific to the project (Specify)	NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. As per the records inconsistencies were found between the coordinates mentioned in quarry plan and the coordinates mentioned in forest NoC. Also the area left for safe zone is found to be insufficient for which the proponent has stated that he will come back after correcting these inconsistencies.

Hence the committee decided to defer the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.19 Proposed M-Sand Quarry Project at Sy.No.76 of Dodda Ayyuru Village, Kolar Taluk & District (11-20 Acres) By M/s. R.K. Granites (SEIAA 599 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. D.Ravikumar #4, Crimson Court-2,2nd Floor, Jeevanbheemanagar Main Road, HAL 3rd Stage, Bengaluru-560075

2	Name & Location of the Project	"M-Sand Quarry Lease" of M/s R K Granites Sy No: 76 , Dodda Ayyuru Village, Kolar Taluk, Kolar District, Karnataka.																							
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th rowspan="2">Boundary Points</th> <th colspan="2">WGS 84 Spherical Coordinates</th> </tr> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>13° 72.00"N</td> <td>78° 0'52.91"E</td> </tr> <tr> <td>B</td> <td>13° 72.55"N</td> <td>78° 0'53.92"E</td> </tr> <tr> <td>C</td> <td>13° 6'54.06"N</td> <td>78° 0'57.98"E</td> </tr> <tr> <td>D</td> <td>13° 6'48.76"N</td> <td>78° 0'49.46"E</td> </tr> <tr> <td>E</td> <td>13° 6'51.44"N</td> <td>78° 0'47.93"E</td> </tr> <tr> <td>F</td> <td>13° 6'53.06"N</td> <td>78° 0'54.49"E</td> </tr> </tbody> </table>	Boundary Points	WGS 84 Spherical Coordinates		Latitude	Longitude	A	13° 72.00"N	78° 0'52.91"E	B	13° 72.55"N	78° 0'53.92"E	C	13° 6'54.06"N	78° 0'57.98"E	D	13° 6'48.76"N	78° 0'49.46"E	E	13° 6'51.44"N	78° 0'47.93"E	F	13° 6'53.06"N	78° 0'54.49"E
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E	13° 6'51.44"N	78° 0'47.93"E																							
F	13° 6'53.06"N	78° 0'54.49"E																							
4	Type of Project	M-Sand																							
5	New / Expansion / Modification / Renewal	New																							
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government GomalaLand																							
7	Whether the project site fall within ESZ/ESA	No																							
8	Area in Ha	4.65Ha																							
9	Actual Depth of sand in the lease area in case of River sand	NA																							
10	Depth of Sand proposed to 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	It's M-sand.																							
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	It's a Fresh Land																							
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	6,63,626 TPA																							
14	Quantity of Topsoil/Over burden in cubic meter	No topsoil to be proposed during plan period																							
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	13,453 tons per annum																							
16	Project Cost (Rs. In Crores)	0.88crores																							
17	Environmental Sensitivity																								
	a. Nearest Forest	Antarganga State Forest - 2.80 (SE)																							
	b. Nearest Human Habitation	Dodda Ayyuru village-1.00Kms(SW)																							
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Kolar - 13 Kms (NE)																							

	d.	Water Bodies	Bettakallahalli Pond - 0.85 Kms(W) Narasapura Lake - 2.00 Kms(NW)	
	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	9.50	
	b.	Waste Dumping Area	0.20	
	c.	Top Soil yard	--	
	d.	Mineral Storage Area	0.25	
	e.	Infrastructure Area	0.10	
	f.	Road Area	0.20	
	g.	Buffer Area	1.25	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20		Method of Mining/ Quarrying	Semi Mechanised Method	
21		Rate of Replenishment in case River sand project	NA	
22		Water Requirement		
	a.	Source of water	Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	8.33KLD
			Domestic	1.57 KLD
			Other	1.20 KLD
			Total	11.1 KLD
23		Storm water management plan	Drains will be constructed along the boundary of activity area	
24		Any other information specific to the project (Specify)	NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving M-sand quarry mining in Government land. The proponent has stated that he has obtained NoCs from Revenue, Forest and the lease has been notified on 25-2-2019. As per the combined sketch prepared by the DMG it has been stated that there are no other leases within the 500 meter radius of this lease and this area being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As per the quarry plan there is a level difference of 70 meters within the mining area and taking this into consideration committee felt that 21,08,844 cum or 56,09,526 tons can be mined safely and scientifically within the lease period to a quarry pit depth of 25 meters. . The proponent has also stated that the project does not fall within the 10 KM radius from National park/Wildlife sanctuary.

As far as approach road is concerned, the proponent has stated that there is an existing cart track road to a length of 320 meters connecting the lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.1.12 crore for a lease period to take Afforestation and water conservation in the PG campus of Kolar which is at a distance of 5 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.20 Proposed Grey Granite Quarry Project at Sy.Nos.70/6 & 70/7 of Kakkihalli Village, Yelburga Taluk, Koppal District (5-20 Acres) By Sri V.R. Bhandari (SEIAA 600 MIN 2019)

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving ornamental stone mining in patta land. The proponent has stated that the proponent has obtained NoCs from Revenue and Forest Departments. The proponent has also stated that he has obtained land conversion order. The lease has been notified on 22-6-2018.

As seen from the mining plan there is a level difference of 3 meters within the mining area and taking this into consideration the proposed gross quantity of 38,500 cum can be mined safely and scientifically. The proponent has stated that the recovery in the form of commercial blocks is 30% i.e., 11,550 cum and 10% i.e., 3,850 cum which is

in form of khandas and 30% i.e., 11,550 cum in the form of building stone and the balance 30% i.e., 11,550 cum is a waste including overburden for which the proponent has stated that he has earmarked 2800 sqmts of land to handle the waste. As far as top soil is concerned the proponent has stated that he will deposit the top soil in the buffer zone area for plantation.

As per the cluster sketch prepared by DMG there are four lease leases within the 500 meter radius and combined area of these four leases is 17 Acres and out of which the proponent has claimed that the two leases are exempted from cluster effect for the reason that the EC for the same was issued prior 15-1-2016 and the balance two leases area is 10 Acres 30 guntas and this being less than the threshold limit of 5 Ha the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly. The proponent has also stated that the project does not fall within the 10 KM radius from National park/Wildlife sanctuary.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 300 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.5.00 lakhs to take up rejuvenation of Kakkihalli kere which is at a distance of 1.5 KM from the project site.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

18th October 2019

Members present in the meeting:

Shri. N. Naganna	-	Chairman
Dr. B. Chikkappaiah, IAS(R)	-	Member
Dr. N. Krishnamurthy	-	Member
Dr. K.B Umesh	-	Member
Dr. M.I Hussain	-	Member
Shri M. Srinivasa	-	Member
Shri G.T Chandrahshekarappa	-	Member
Shri J.G Kaveriappa	-	Member
Dr. Vinod kumar C.S	-	Member
Shri. Vyshak V. Anand	-	Member



Shri. D. Raju	-	Member
Shri Venugopal .V	-	Member
Shri Mohammed Saleem I Shaikh	-	Member
Shri. VijayaKumar, JRS	-	Secretary

EIA Appraisal:

232.21 Proposed Bulk drug and Intermediates manufacturing unit at Plot No.78-B, Kolhar Industrial Area, Bidar, by Sri Indu Drugs India Pvt Ltd.,(SEIAA 15 IND 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Ramakrishna Managing Director AtPlot No.: 78-B, Kolhar Industrial Area, Bidar, Karnataka - 585 401
2	Name & Location of the Project	<u>M/s. Sri Indu Drugs India Pvt Ltd</u> AtPlot No.: 78-B, Kolhar Industrial Area, Bidar, Karnataka - 585 401
3	Co-ordinates of the Project Site	Latitude - 17° 54'33.66"N Longitude - 77° 27'45.58"E
4	Environmental Sensitivity	
	a. Distance From nearest Lake/ River/ Nala	Papnash lake - 3.8 Km (NE)
	b. Distance from Protected area notified under wildlife protection act	--
	c. Distance from the interstate boundary	Karnataka - Telangana Interstate Boundary - 8.4 Km (N)
	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	Activity 5 (f) of Category-B
6	New/ Expansion/ Modification/ Product mix change	Modification
7	Plot Area (Sqm)	7650Sgmt
8	Built Up area (Sqm)	--
9	Component of developments	"Manufacturing of Bulk drug and Intermediates unit"
10	Project cost (Rs. In crores)	Rs. 3.5Crores
11	Details of Land Use (Sqm)	
	a. Ground Coverage Area	--
	b. Kharab Land	--

	c.	Internal Roads	--
	d.	Open area	--
	e.	Parking	--
	f.	Green belt	33%
	g.	Others Specify	--
	h.	Total	7650Sqmt
12	Products and By- Products with quantity (enclose as Annexure if necessary)		Annexure-1
13	Raw material with quantity and their source (enclose as Annexure if necessary)		Details are in Pre-feasibility report
14	Mode of transportation of Raw material and storage facility		The chemicals required for the process are mostly bought from the local (indigenous) markets. Mode of transportation of all raw materials to the project site is by road. Liquid chemicals will be stored in tanker yard, Drum yard and the solid chemicals will be in stores
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		Mode of transportation of coal to the project site is by road and will be stored in Coal storage yard
16	Fly ash production, storage and disposal details whereas coal is used as fuel		Coal ash from boiler will be stored in designated area and will sent o brick manufacturing industry
17	Complete process flow diagram and technology employed		Will be detailed in EIA
18	Details of Plant and Machinery with capacity/ Technology used		Electricity- GESCOM Existing Utilities Coal Fired Boilers: 5 TPH.
19	Details of VOC emission and control measures wherever applicable		--
20	WATER		
	I.	Construction Phase	
	a.	Source of water	KIADB
	b.	Quantity of water for Construction in KLD	2 KLD
	c.	Quantity of water for Domestic Purpose in KLD	1 KLD
	d.	Waste water generation in KLD	0.8 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	Chemical toilet/Mobile STP
	II.	Operational Phase	
	a.	Source of water	KIADB
	b.	Total Requirement of Water in	Fresh 46 KLD

		KLD	Recycled	--
			Total	46 KLD
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	41KLD
			Recycled	--
			Total	41 KLD
	d.	Requirement of water for domestic purpose in KLD	Fresh	2.25 KLD
			Recycled	--
			Total	3.0 KLD
	e.	Waste water generation in KLD	Industrial effluent	11.5KLD
			Domestic sewage	1.5 KLD
			Total	13.0 KLD
	f.	ETP/ STP capacity	Biological treatment plant - 10KLD	
	g.	Technology employed for Treatment	MEE of 30 KLD capacity with 5 KLD stripping section	
	h.	Scheme of disposal of excess treated water if any	Zero discharge	
21	Infrastructure for Rain water harvesting		NA	
22	Storm water management plan		For the storm water drain, will going to provide closed concrete structures which do not pass chemical to-the drain by washing and treatment of chemicals.	
23	Air Pollution			
	a.	Sources of Air pollution	Dg set, Boiler	
	b.	Composition of Emissions	--	
	c.	Air pollution control measures proposed and technology employed	Process emission will be connected to 2 stage scrubber for treatment	
24	Noise Pollution			
	a.	Sources of Noise pollution	Dg set, motors, compressor	
	b.	Expected levels of Noise pollution in dB	75 dB	
	c.	Noise pollution control measures proposed	Dg set will be installed with inbuilt acoustic enclosures	
25	WASTE MANAGEMENT			
	i.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Organic solid waste	48.82 kg/ day
			MEE salts	125.93 Kg/ day
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Details are in pre-feasibility report	
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	--	
26	Risk Assessment and disaster management		Will be provided during EIA submission	
27	POWER			

	a.	Total Power Requirement in the Operational Phase with source	Electricity- GESCOM - 500 KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	125KVA X 1 Existing 250 KVA X 1 Proposed
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Boiler - Coal Dg set - HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as CFL and LED lights are proposed in the project.
28	PARKING		
		Parking Requirement as per norms	35numbers
	b.	Internal Road width (RoW)	Approach road width - 18.25 m Internal road width -6m(min)
29	Any other information specific to the project (Specify)		--

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 221st meeting held on 26-4-2019 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 noted that this industry has been established in 2010 and being run on the basis of CFE and CFO issued by KSPCB which were valid upto 2017. Since 2017 the unit is not operating till today. Earlier the EC was not obtained because the activity was of inorganic nature and it was not mandated to have EC. Now this application has been made out to add some organic products in addition to inorganic products for which the EC is mandatory.

Hence, the committee decided to recommend the proposal to SEIAA for issue of Standard ToRs alongwith following additional ToRs to conduct the EIA studies in accordance with the EIA Notification 2006 and relevant guidelines.

1. Present the compliance to earlier CFO conditions.
2. Establish with layout plan the adoption of GMP for manufacturing your products supported by P & ID.
3. Sketch the location of the additional infrastructure in the plan of the existing industrial site.
4. Give the details of disposal of debris generated during expansion.
5. Based on experimental data, present the material balance / mass balance for each product with quantities of distillate residue, solvent loss and fugitive emissions. Also evaluate and present the ratio of (i) waste to product and (ii)

- raw material to product for each of the products proposed to be manufactured.
6. Enlist the raw materials with quantity with particular mention of any pyrophoric & highly reactive materials and precautions taken for their storage. Also mention any restricted/banned chemicals, if used in your product manufacture proposal.
 7. Provide the solvents storage plan with quantity as per standard norms highlighting any special precautions adopted for storage.
 8. Evaluate and present the quantity and quality of solid and gaseous waste generated and their scheme of disposal.
 9. Evaluate and present the existing and proposed water balance based on expansion.
 10. For the worst case scenario, evaluate and present the quantity and characteristics of effluent discharged and their scheme of disposal through ETP
 11. Describe the measures proposed for in-house recovery of solvents mentioning the efficiency of recovery.
 12. Identify and evaluate the steps in the manufacturing of your products that may represent risks to personnel or equipment and conduct a detailed investigation and present the hazop study along with risk assessment, disaster management for worst case scenario, all control equipment and mitigation measures adopted, emergency preparedness and onsite emergency plan.
 13. Present the scheme proposed for separation of high TDS effluent and its treatment & disposal through MEE used, justifying the stages and design parameters.
 14. Present the scheme proposed to isolate the lithium (if used) and other salts from MEE and explore the possibility of their disposal advantageously.
 15. Evaluate the hydrogenation process (if adopted) and give a detailed description of the safety measures and precautions taken.
 16. Highlight the green chemistry adopted with particular mention of your efforts to replace toxic solvents and reagents such as EDC, MDC, chloroform, butyl lithium, lithium aluminium hydride, sodium borohydride, thionyl chloride, THF etc wherever done and if bromination is done using bromine, better alternatives to bromine as brominating agent.
 17. Details of existing plant species number and list of species proposed to be planted in green belt.
 18. Scheme for harvesting renewable energy at the site and roof top may be detailed.
 19. Details of the locals who are employed within the radius of 50 KM within Karnataka State.

Accordingly ToRs were issued on 2-7-2019. The Proponent has submitted the final EIA report on 31-8-2019 and the same was placed before the committee for perusal.

The proponent and Environment consultant attended the 232nd meeting held on 18-10-2019 to present the EIA report.

The committee appraised the proposal considering the information provided in the statutory application-Form I, 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.

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

232.22 Proposed Modification & Expansion of Bulk Drug and Intermediates Unit Project at Plot Nos.120, 121 & 122 of KIADB Industrial Area, Raichur Growth Centre, Chikasugur Village, Raichur Taluk & Raichur District By M/s. Larson Pharma Pvt. Ltd. (SEIAA 47 IND 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Chandra Obul reddy Director At Plot No.: 120, 121, 122. K.I.A.D.B., Industrial Area, Raichur Growth Centre, Raichur Tq. & District, Chikasugur - 584 134, Karnataka.
2	Name & Location of the Project	M/s. Larson Pharma Private Limited Plot No.: 120, 121, 122. K.I.A.D.B., Industrial Area, Raichur Growth Centre, Raichur Tq. & District, Chikasugur - 584 134, Karnataka.
3	Co-ordinates of the Project Site	Latitude - 16° 18.499'N Longitude - 77° 21.306'E
4	Environmental Sensitivity	
	a. Distance From nearest Lake/ River/ Nala	Krishna river- 8.6 km
	b. Distance from Protected area notified under wildlife protection act	--
	c. Distance from the interstate boundary	Karnataka - Andhra pradesh- 8.6 Km (SE)
	d. whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number	Activity 5 (f) of Category-B
6	New/ Expansion/ Modification/ Product mix change	Modification & Expansion
7	Plot Area (Sq.m)	8636 Sq.m
8	Built Up area (Sq.m)	3606 Sq.m
9	Component of developments	"Manufacturing of Bulk drug and Intermediates unit"
10	Project cost (Rs. In crores)	Rs. 3.5 Crores

11	Details of Land Use (Sq.m)		
	a.	Ground Coverage Area	3606 Sqmt
	b.	Kharab Land	--
	c.	Internal Roads	1266 Sqmt
	d.	Paved area	1096 Sqmt
	e.	Parking	--
	f.	Green belt	2694.5 Sqmt
	g.	Others Specify	--
	h.	Total	8636 Sqmt
12	Products and By- Products with quantity (enclose as Annexure if necessary)		Refer Annexure-1
13	Raw material with quantity and their source (enclose as Annexure if necessary)		Refer Annexure-2
14	Mode of transportation of Raw material and storage facility		The chemicals required for the process are mostly bought from the local (indigenous) markets. Mode of transportation of all raw materials to the project site is by road. Liquid chemicals will be stored in tanker yard, Drum yard and the solid chemicals will be in stores
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		Mode of transportation of coal to the project site is by road and will be stored in Coal storage yard
16	Fly ash production, storage and disposal details whereas coal is used as fuel		Coal ash from boiler will be stored in designated area and will sent o brick manufacturing industry
17	Complete process flow diagram and technology employed		Will be detailed in EIA
18	Details of Plant and Machinery with capacity/ Technology used		Coal Fired Boilers: 1X2 TPH. Oil heating system - 1 lakh Kilo calories
19	Details of VOC emission and control measures wherever applicable		--
20	WATER		
	I.	Construction Phase	
	a.	Source of water	KIADB
	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	0.8 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	STP

	II Operational Phase			
	a.	Source of water	KIADB	
	b.	Total Requirement of Water in KLD	50 KLD	
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	48 KLD
	d.	Requirement of water for domestic purpose in KLD	Fresh	2 KLD
			Recycled	--
			Total	2 KLD
	e.	Waste water generation in KLD	Industrial effluent	17.1 KLD
			Domestic sewage	1.5 KLD
			Total	17.6 KLD
	f.	ETP/ STP capacity	MEE of 30 KLD capacity with stripper and ATFD	
	g.	Technology employed for Treatment	MEE of 30 KLD capacity with stripper and ATFD	
	h.	Scheme of disposal of excess treated water if any	Zero discharge	
21	Infrastructure for Rain water harvesting		NA	
22	Storm water management plan		Will be implemented	
23	Air Pollution			
	a.	Sources of Air pollution	Dg set, Boiler	
	b.	Composition of Emissions	--	
	c.	Air pollution control measures proposed and technology employed	Process emission will be connected to 2 stage scrubber for treatment	
24	Noise Pollution			
	a.	Sources of Noise pollution	Dg set, motors, compressor	
	b.	Expected levels of Noise pollution in dB	75 dB	
	c.	Noise pollution control measures proposed	Dg set will be installed with inbuilt acoustic enclosures	
25	WASTE MANAGEMENT			
	I. Operational Phase			
	a.	Quantity of Solid waste generated per day and their disposal	Organic solid waste	449.85 kg/day
			MEE salts	523.28 Kg/day
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Description	Quantity
			Waste oil	200L/Annum
			HDPE drums	200 No's/month
			Used batteries	2 No's/month
			Fly ash	2100 kg/day
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	--	

26	Risk Assessment and disaster management	Will be provided during EIA submission
27	POWER	
	a.	Total Power Requirement in the Operational Phase with source Electricity- GESCOM - 500 KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply 250 kVA X 1 175 KVA X 1
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc., Boiler - Coal Dg set - HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 Energy conservation devices such as CFL and LED lights are proposed in the project.
28	PARKING	
	a.	Parking Requirement as per norms 50 numbers
	b.	Internal Road width (RoW) Approach road width - 18m Internal road width - 6m (min)
29	Any other information specific to the project (Specify) --	

Annexure -1

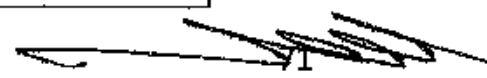
As per the earlier EC, company manufacturing the following products & intermediates; List of existing products produced with quantity is shown below

DETAILS OF EXISTING PRODUCTS WITH CAPACITIES

S. No.	Name of the product	Quantity in Kg/month
1	Omeprazole	1500.00
2	Lansoprazole	500.00
3	Esomeprazole	600.00
4	Ciproflaxacin	5000.00
	Total	7600

List of proposed products

S. No.	Name of the product	Quantity consent Max. in MTPM
1	Ambroxol Hydrochloride a. 2-amino dibromo benzaldehyde	3000.00
2	Niclosamide	2000.00
3	Fexofenadine hydrochloride a. 2,2 Di Methyl phenyl acetic acid b. Methyl 2-(4-(4 chloro butanoyl) phenyl)-2-methylpropanoate	2000.00



4	Triphenylphosphine	10000.00
5	N-Benzylmethylaniline	10000.00
6	1-(4-Chlorobenzhydryl)piperazine a. 4-chloro benzophenone	5000.00
	Total	32000

Annexure -2

List of raw Materials

1. AMBROXOL HYDROCHLORIDE

S.No.	Raw Material	Consumption/ Batch in Kgs	Consumption/ Day in Kgs
1	Methylantranilate	180.00	90.00
2	Activated carbon	10.00	5.00
3	Bromine gas	190.00	95.00
4	Hydrochloric acid	833.00	416.50
5	Isopropyl alcohol	500.00	250.00
6	Manganese dioxide	84.00	42.00
7	Methanol	1300.00	650.00
8	Sodium Borohydride	67.00	33.50
8	Toluene	1100.00	550.00
10	Trans-4-aminocyclohexanol	100.00	50.00

2. NICLOSAMIDE

S.No.	Raw Material	Consumption/ Batch in Kgs	Consumption/ Day in Kgs
1	5-Chloro Salicylic Acid	125.00	41.67
2	Activated Carbon	10.00	3.33
3	Methanol	800.00	266.67
4	Otho Chloro Para Nitro Aniline	130.00	43.33
5	Phosphorous trichloride	140.00	46.67
6	Toluene	500.00	166.67

3. FEXOFENADINE HYDROCHLORIDE

4.

S.No.	Raw Material	Consumption/ Batch in Kgs	Consumption/ Day in Kgs
1	3-Chloro-2-methylprop-1-ene	35.00	23.33
2	4-Chlorobutanoyl chloride	44.00	29.33
3	Acetic Acid	23.00	15.33
4	Activated carbon	10.00	6.67

5	Aluminium chloride	65.50	43.67
6	Benzene	27.50	18.33
7	DMF	250.00	166.67
8	Ethyl Acetate	700.00	466.67
9	Hydrochloric Acid	25.60	17.07
10	Isopropyl alcohol	800.00	533.33
11	MDC	300.00	200.00
12	Methanol	1475.00	983.33
13	Methyl isobutyl ketone	30.00	20.00
14	Potassium permanganate	37.60	25.07
15	Sodium acetate	32.00	21.33
16	Sodium Bicarbonate	25.10	16.73
17	Sodium hydroxide	17.60	11.73
18	Toluene	200.00	133.33

5. TRIPHENYL PHOSPHINE

S.No.	Raw Material	Consumption/ Batch in Kgs	Consumption/ Day in Kgs
1	Tri phenyl phosphine Oxide	660.00	440.00
2	Aluminium powder	60.00	40.00
3	Methanol	800.00	533.33
4	Phosphorus trichloride	326.00	217.33
5	Toluene	1000.00	666.67

6. N-METHYLBENZYLAMINE

S.No.	Raw Material	Consumption/ Batch in Kgs	Consumption/ Day in Kgs
1	Benzaldehyde	550.00	366.67
2	Catalyst	5.00	3.33
3	Hydrogen	9.40	6.27
4	Methanol	500.00	333.33
5	Mono Methylamine Sol 40%	170.00	113.33
6	Raney Nickel	5.00	3.33

7. 4-CHLOROBENZHYDRYLPIPERAZINE

S.No.	Raw Material	Consumption/ Batch in Kgs	Consumption/ Day in Kgs
1	Benzoyl chloride	125.00	104.17
2	Activated Carbon	10.00	8.33
3	Alluminium Chloride	300.00	250.00

<u>4</u>	Caustic flakes	25.00	20.83
<u>5</u>	Hydrochloric acid	295.00	245.83
<u>6</u>	Methanol	300.00	250.00
<u>7</u>	MonoChloro Benzene	600.00	500.00
<u>8</u>	Piperazine	66.00	55.00
<u>9</u>	Sodium Borohydride	31.00	25.83
<u>10</u>	Tert butyl ammonium bromide	13.00	10.83
<u>11</u>	Toluene	800.00	666.67

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the meeting to provide clarification/additional information. The committee screened the proposal considering the information provided in the statutory application-Form I, Form-1A, prefeasibility report and clarification/additional information provided during the meeting.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies. The committee also prescribed the following additional ToRs.

1. Present the compliance to earlier conditions given by KSPCB- CFO /EC.
2. Establish with layout plan the adoption of GMP for manufacturing your products supported by P & ID.
3. Sketch the location of the additional infrastructure in the plan of the existing industrial site.
4. Give the details of disposal of debris generated during expansion.
5. Based on experimental data, present the material balance / mass balance for each product with quantities of distillate residue, solvent loss and fugitive emissions. Also evaluate and present the ratio of (i) waste to product and (ii) raw material to product for each of the products proposed to be manufactured.
6. Enlist the raw materials with quantity with particular mention of any pyrophoric & highly reactive materials and precautions taken for their storage. Also mention any restricted/banned chemicals, if used in your product manufacture proposal.
7. Provide the solvents storage plan with quantity as per standard norms highlighting any special precautions adopted for storage.
8. Evaluate and present the quantity and quality of solid and gaseous waste generated and their scheme of disposal.
9. Evaluate and present the existing and proposed water balance based on expansion.
10. For the worst case scenario, evaluate and present the quantity and characteristics of effluent discharged and their scheme of disposal through ETP
11. Describe the measures proposed for in-house recovery of solvents mentioning the efficiency of recovery.
12. Identify and evaluate the steps in the manufacturing of your products that may represent risks to personnel or equipment and conduct a detailed investigation and present the hazop study for Triphenyl phosphine along with risk assessment, disaster management for worst case scenario, all control equipment and mitigation measures adopted, emergency preparedness and onsite emergency plan.

13. Present the scheme proposed for separation of high TDS effluent and its treatment & disposal through MEE used, justifying the stages and design parameters.
14. Present the scheme proposed to isolate the lithium (if used) and other salts from MEE and explore the possibility of their disposal advantageously.
15. Evaluate the hydrogenation process (if adopted) and give a detailed description of the safety measures and precautions taken.
16. Highlight the green chemistry adopted with particular mention of your efforts to replace toxic solvents and reagents such as EDC, MDC, chloroform, butyl lithium, lithium aluminium hydride, sodium borohydride, thionyl chloride, THF etc wherever done and if bromination is done using bromine, better alternatives to bromine as brominating agent.

Accordingly ToRs were issued on 21-2-2019. The Proponent has submitted the final EIA report on 4-9-2019 and the same was placed before the committee for perusal.

The proponent and Environment consultant attended the 232nd meeting held on 18-10-2019 to present the EIA report.

The committee appraised the proposal considering the information provided in the statutory application-Form I, 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.

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

Fresh Subjects

232.23 Proposed Residential Development Project at Sy.Nos.48/1A, 48/2, 50/2(P) 50/3(P) of Yadavanahalli Village, Attibele Hobli, Anekal Taluk, Bengaluru Urban District By M/s. Urban Space Projects Pvt. Ltd. C/o M/s. Sobha Limited(SEIAA 137 CON 2019)

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 18-10-2019 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. As seen from the village survey map there is one secondary nala on the eastern side of the project site and one tertiary nala cutting across the project on the northern side of the project site for which the proponent has stated that he has left 9 meter and 3 meter buffer zone

respectively as mandated by Anekal Development Authority and also there is a cart track road cutting across the site on the western portion of the project site for which the proponent has stated that he will keep this cart track open for public use.

As far as CER is concerned the proponent has earmarked Rs.4.0 crores towards rejuvenation of flood devastated Chickmagalur District.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall identify suitable place(KIOSK) 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.

232.24 Proposed Residential Apartment Project at Sy.Nos.42, 44/1 & 44/2 of Channasandra Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District by M/s. Surya Projects (SEIAA 126 CON 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Surya Projects No. 439, 11th Main, 14th Cross, BEML Layout, Thubarahalli, Bangalore-560066
2	Name & Location of the Project	Proposed Residential Apartment Project at Sy. No. 42, 44/1 and 44/2, Channasandra Village, Bidarahalli Hobli, Bangalore East Taluk.
3	Co-ordinates of the Project Site	12°58'55.99"N 77°46'25.03"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	NA.
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	NA

	Applicable.	
5	Type of Development	Residential Building
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Building
b.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)	11,432.21 m ²
7	Built Up area (Sqm)	41,867.15 m ²
8	Building Configuration Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Residential building 2B+G+14UF
9	Number of units in case of Construction Projects	NA
10	Number of Plots in case of Residential Township/ Area Development Projects	225 Units
11	Project Cost (Rs. In Crores)	150
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	1934.32 Sqm(16.92%)
b.	Kharab Land	NA
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	4,984.44 sqm (43.60%)
d.	Internal Roads	12mts Width
e.	Paved area	4,513.43 Sqm (39.48%)
f.	Others Specify	NA
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	NA
b.	Total quantity of Excavated	37,000

	earth (in cubic meter)							
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	For back filling = 15,000 For Landscape=10,000 For Internal Road making =12, 000						
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	BWSSB STP treated water						
b.	Quantity of water for Construction in KLD	50 KLD						
c.	Quantity of water for Domestic Purpose in KLD	5 KLD						
d.	Waste water generation in KLD	4KLD						
e.	Treatment facility proposed and scheme of disposal of treated water	Mobile sewage Treatment Plant						
II.	Operational Phase							
a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>98</td> </tr> <tr> <td>Recycled</td> <td>54</td> </tr> <tr> <td>Total</td> <td>152</td> </tr> </table>	Fresh	98	Recycled	54	Total	152
Fresh	98							
Recycled	54							
Total	152							
b.	Source of water	Grampanchayath						
c.	Waste water generation in KLD	140						
d.	STP capacity	140 KLD						
e.	Technology employed for Treatment	SBR						
f.	Scheme of disposal of excess treated water if any	Excess 46 KLD treated water is used for avenue plantation and excess treated water is used for secondary domestic purpose						
16	Infrastructure for Rain water harvesting							
a.	Capacity of sump tank to store Roof run off	115 m ³						
b.	No's of Ground water recharge pits	15 No's						
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	Shall be disposed through BBMP Authorised vendors.						
II.	Operational Phase							

a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	203kg/day converted in to organic manure and used for garden
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	135 Kg/day given to PCB authorized recycler
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	50-80 Lts/one B check given to PCB authorized recycler
d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	100 Kg/year given to PCB authorized recycler
19	POWER	
a.	Total Power Requirement - Operational Phase	1000 KVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	320 KVA X 2 nos.
c.	Details of Fuel used for DG Set	Low Sulphuric diesel
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	19% we have achieved
20	PARKING	
a.	Parking Requirement as per norms	248
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Traffic report is enclosed
c.	Internal Road width (RoW)	12 mts

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 230th meeting held on 13-9-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

The proponent and Environment consultant attended the 232nd meeting held on 17-10-2019. 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.

As seen from the village survey map there is one tertiary nala on the northern part of the project site and another nala on the eastern part of the project site for which the proponent has stated that he has left 15 meter buffer zone on either side of the nala.

As far as CER is concerned the proponent has earmarked Rs.3.0 crores towards rejuvenation of flood devastated Chickmagalur District.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall identify suitable place(KIOSK) 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.

232.25 Proposed Residential Apartment Project at Sy.Nos.39/2, 39/3, 40 & 43 of Allalassandra Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru Urban District by M/s. Manjeera Constructions Ltd. (SEIAA 128 CON 2019)

Sl No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Shri. G Yoganand Managing Directors, M/s Manjeera Constructions Limited., No. 304, Aditya Trade Center, Aditya Enclave road, Ameerpet, Hyderabad - 5000038
2	Name & Location of the Project	Proposed Residential Apartment by M/s Manjeera Constructions Limited., at Sy No. 39/2, 39/3, 40 & 43 of Allalassandra village, Yelahanka Hobli, Bangalore North Taluk, Bengaluru Urban District.
3	Co-ordinates of the Project Site	13° 5'31.52"N 77°35'41.97"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Allalassandra Pond - 30 mts(S) Allalassandra Lake - 0.35 Kms(W) Primary Nala is 95m from the project site in South side boundary

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 is no lake within 75 meter from the site boundary.
5	Type of Development	
a.	Residential group housing/ 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)	The site area is 14,775sq.m.
7	Built Up area (Sqm)	The Gross BUA is 77,436.08 sq.m.
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Construction of Residential Apartment project comprising of 3 Towers, Towers A,B,C each having 3 Basements + Ground Floor & Upper Ground Floor + 18 Upper Floor + Terrace Floor, including club houses in each towers. Total of 404 units. The site area is 14,775 sq.m. and The Gross BUA is 77436.08 sq.m.
9	Number of units in case of Construction Projects	Total Number of Units is 404Nos.
10	Number of Plots in case of Residential Township/ Area Development Projects	-
11	Project Cost (Rs. In Crores)	154Crores
12	Recreational Area in case of Residential Projects / Townships	Playground area - 364.12sq.m. And Senior Citizen allocated area - 384.62 Sq.m. Park area =367.53Sq.m. Cycling Area= 1541.65 Sq.m (10.36% of Net plot area);
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	5,451.32 sq.m (36.90%)
b.	Kharab Land	Nil
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	4,875.75 sq.m (33.00%)
d.	Internal Roads	4,447.93 m ² (30.10%)
e.	Paved area	-
f.	Others Specify	-
g.	Parks and Open space in case of	NA

Residential Township/ Area Development Projects			
h.	Total	14,775sq.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	No demolition is involved.	
b.	Total quantity of Excavated earth (in cubic meter)	92,228.88 cu.m.	
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	92,228.88 cu.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	No 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	The sewage generated during the construction phase will be treated in the Mobile STP	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	72.49
		Recycled	118.4+90.90=209.3
		Total	281.79
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	267.81KLD	
d.	STP capacity	315 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	295 cu.m.
b.	No's of Ground water recharge pits	8 Nos.
17	Storm water management plan	The storm water from the site will be collected by rainwater harvesting system and will be used for recharging the ground water
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	No of labours = 100 Nos. Per capita of waste generated = 0.4 kg/day Separate collection bins will be used for organic and inorganic waste. Organic waste will be converted in organic convertor. Inorganic solid waste will be handed over to authorized recyclers.
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	484.80kg/day. Biodegradable waste will be converted in organic convertor.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	323.20kg/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	1750 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 1000 kVA + 1x750 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"> • Energy saved by using Solar water Heater : 75,000 kWh/ Year.....(a) • Solar Power Generation : In non-monsoon season 200kWH x 30 x 8 Months = 48,000kWH • In monsoon season 100kWH x 30 x 4 Months = 12,000 kWh • Total SPV Power Generation in a year = 0.60 L kWh / Annum.....(b)

		<ul style="list-style-type: none"> Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 0.75 + 0.6 L KWH = 1.35 L / Annum(c) Total energy savings = 26.41%
20	PARKING	
a.	Parking Requirement as per norms	<p>One car spacing for 1 units as the floor area is between 50 sq.m. to 404 sq.m = 404+40% visitors Parking required is 444cars</p> <p>Basement -1 Parking Required - 148 Basement -2 Parking Required - 148 Basement -3 Parking Required - 150 Ground Required - 75</p> <p>Parking Provided is 521Ecs which is as Per NBC and MoEF Norms</p>
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Doddaballapur Main Road~LOS - B
c.	Internal Road width (RoW)	8.0m

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 18-10-2019 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. As per the village survey map there is a lake on the southeast side of the project site for which the proponent has stated that he has left 30 meter buffer zone as mandated.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% 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.

232.26 Proposed Police Quarters Housing Building Project at Site No.6:10, 10th Block, Nagarbhavi 2nd Stage (Sy.No.19) of Nagarbhavi Village, Yeshwanthpura Hobli, Bangalore Urban District by KARNATAKA STATE POLICE HOUSING &

**INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (SEIAA 129 CON
2019)**

SI No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Police Commissioner, Bangalore City, Ali Askar Road, Bangalore
2	Name & Location of the Project	Construction of 256 PC Quarters(Block A,B,C&D)Stilt+8 floors at Site No. 6:10, 10 th Block, Nagarabhavi 2 nd Stage, Bangalore, under Police Gruha 2020 scheme
3	Co-ordinates of the Project Site	Latitude:12° 57'56.80" N Longitude: 77° 30'39.52" E
4	Environmental Sensitivity	
	a) Distance from Periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	NA
	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	NA
5	Type of Development	
	a) New/ Expansion / Modification	New
	b) Residential Apartment / Villas/ Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital / other	Residential Apartment
	c) Residential Township/ Area Development Projects	--
6	Plot Area (Sqm)	41,278.00Sqm
7	Built up Area (Sqm)	5942.38 Sqm
8	Building configuration (Number of Blocks/Towers/Wings etc., with Numbers of Basements and Upper Floors)	No. of Floors: Stilt + 8Floors. Stilt Floor for Car parking (above ground level). Building Height: 31.45m
9	Number of units in case of Construction Projects	256 units
10	Number of plots in case of Residential Township/ Area Development Projects	--
11	Project Cost (Rs. In Crores)	Rs 42.67 Crores
12	Recreational Area in case of Residential Projects / Townships	--
13	Details of Land Use (Sqm)	
	a) Ground Coverage Area	2,701.52Sqm

	b	Kharab Land	---	
	c	Total Green belt on Mother Earth for Projects under 8(a) of the Schedule of the EIA notification, 2006	Green Cover & Landscape area 3,287.90sqm + 7,289.54 sqm = 10,577.44sqm	
	d	Internal Roads	6445.49 Sqm	
	e	Paved area/car parking	Surface car Parking = 2,626.25sqm	
	f	Others Specify	---	
	g	Parks and Open space in case of Residential Township/ Area Development Projects	Open Space: 18,923.10Sqm	
	h	Total	41,278.00 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 reuse as per construction and demolition waste management rules 2016, if applicable	---	
	b	Total quantity of Excavated earth (in cubic meter)	10,000Cum	
	c	Quantity of Excavated earth propose to be used in the project site (in cubic meter)	Back filling for footings : 8,500Cum	
	d	Excess excavated earth (in cubic meter)	1,500Cum	
	e	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal.	Excess proposed to be utilized for road works/Plantation	
15		WATER		
	I	Construction Phase		
	a	Source of water	Tertiary Treated Water	
	b	Quantity of water for construction in KLD	80 KLD	
	c	Quantity of water for Domestic purpose in KLD	20 KLD	
	d	Waste water generation in KLD	48 KLD	
	e	Treatment facility proposed and scheme of disposal of treated water	Mobile toilets will be provided	
	I	Operational Phase		
	I			
	a	Total Requirement of water in KLD	Fresh	127 KLD
			Recycled	63 KLD
			Total	190KLD
	b	Source of water	BWSSB	
	c	Waste water generation in KLD	177 KLD	
	d	STP Capacity	177 KLD	

	e	Technology employed for Treatment	Sequential Batch Reactor [SBR] Process followed by Tertiary treatment
	f	Scheme of disposal of excess treated water if any	Excess Tertiary treated excess sewage water will be utilized for plantation/landscape purpose within the plant site.
16		Infrastructure for Rain Water Harvesting	
	a	Capacity of sump tank to store Roof run off	230 cum
	b	No's of Ground water recharge pits	Since it is in rocky area, suitable ponds to collect rain water will be constructed & reused. 80 Cum water tank to collect rain water from roof top will be constructed.
17		Storm water management plan	Given in EMP
18		WASTE MANAGEMENT	
	I	Construction Phase	
	a	Quantity of Solid Waste Generation and mode of Disposal as per norms	The solid waste include concrete (often recycled and reused at the site), steel and other metals like, packaging and paper products, fluorescent tubes, wood beams, tiles etc., Disposal: Recyclable waste will be recycled or sell it to end users. The other waste can be used as land fill or Landscaping as per norms
	I	Operational Phase	
	a	Quantity of Biodegradable waste generation and mode of Disposal as per norms	288 Kg/day Will be treated in organic convertor and the product used as manure.
	b	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	416Kg/day Will be sent for recycling/sell end users
	c	Quantity of Hazardous waste generation and mode of Disposal as per norms	Waste Oil from DG sets and disposed as per norms
	d	Quantity of E-waste generation and mode of Disposal as per norms	--
19		POWER	
	a	Total Power Requirement - Operational Phase	900 KVA
	b	Numbers of DG set and capacity in KVA for Standby power supply	2 X 160 KVA
	c	Details of Fuel used for DG Set	Diesel
	d	Energy conservation plan and percentage of savings including plan for utilization of solar energy as per ECBC 2007	Please EMP
20		PARKING	
	a	Parking Requirement as per	281

	norms	
	b Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Nearest Connecting Road is NH 275 is 2.7 KM LoS is 'A'
	c Internal Road width (RoW)	12m wide Drive way is provided connecting to 8 th Cross, which leads to 80 ft Road BBMP Tax Office. Entry & exists will be from this road only.
21	Any other information specific to the project (Specify)	--

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 18-10-2019 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. As seen from the village survey map there are no water bodies either in the form of lake or natural nalas which attracts buffer as per norms.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent to adopt mobile STP/Chemical toilet instead of septic tank and soak pit.

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

232.27 Proposed Commercial Development Project "EMBASSY ZENITH" at Sy.No.28/A of Sankey Road, Vasanthnagar Village, Bangalore Central Taluk, Bangalore Urban District by M/s. Mac Charles (India) Ltd. (SEIAA 132 CON 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Mac Charles (India) Ltd., Floor 1, Embassy Point, No.150, Infantry Road, Bangalore-560001
2	Name & Location of the Project	EMBASSY ZENITH Municipal No.28A (Old no 28), Sankey Road, Ward No.78, Vasanth Nagar, Bangalore - 560052



3	Co-ordinates of the Project Site	Latitude : North - 12°59'24.55" Longitude : East 77°35'11.20"
4	Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,) Sankey Tank : 2.16 KM Ulsoor Lake : 3.32 KM
	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. No water body adjoining the project site.
5	Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT / ITES / Mall / Hotel / Hospital / other Office / IT / Commercial Development
	b.	Residential Township / Area Development Projects No
6	Plot Area (Sq.m)	9204 Sq.Mtr
7	Built Up area (Sq.m)	64657.4Sq.Mtr
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	3B + LGF + UGF + 12 UF + Terrace Level.
9	Number of units in case of Construction Projects	Office / IT / Commercial Development
10	Number of Plots in case of Residential Township / Area Development Projects	NA
11	Project Cost (Rs. In Crores)	250.41 Crores
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sq.m)	
	a.	Ground Coverage Area 2855 Sq.Mtrs
	b.	Kharab Land NIL
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006 2630 Sq.Mtrs
	d.	Internal Roads 3719 Sq.Mtrs
	e.	Paved area

	f.	Others (Services + cutouts + ramp)							
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	Not Applicable						
	h.	Total	9204 Sq.Mtrs						
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	Demolition waste of the existing building will be 42375 CUM Concrete waste & 4910 MT structural waste. The building will be demolished with prior-clearance from the statutory authority & the waste will be scientifically disposed-off.						
	b.	Total quantity of Excavated earth (in cubic meter)	32762 CUM						
	c.	Quantity of Excavated earth proposed to be used in the Project site (in cubic meter)	18000 CUM						
	d.	Excess excavated earth (in cubic meter)	14762 CUM will be scientifically carted-out.						
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Sy No. 56/1, 56/2, 56/3, 56/4, 57/1, 57/3, 57/4, 58/1, 58/2, 58/3, 58/4, 59/2, 59/3, 59/4, 59/5, 59/6, 59/7, 59/8, 72/2 and 72/3 of Hegganahalli Village, Kundana Hobli, Devanahalli Taluk, Bengaluru Rural District Latitude : 13°12'54"N Longitude : 77°36'47"E						
15	WATER								
	I.	Construction Phase							
	a.	Source of water	BWSSB.						
	b.	Quantity of water for Construction in KLD	40 KLD						
	c.	Quantity of water for Domestic Purpose in KLD	50 KLD						
	d.	Waste water generation in KLD	45 KLD						
	e.	Treatment facility proposed and scheme of disposal of treated water	Onsite Mobile STP of 50 KLD capacity						
	II.	Operational Phase							
	a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>150</td> </tr> <tr> <td>Recycled</td> <td>215</td> </tr> <tr> <td>Total</td> <td>365</td> </tr> </table>	Fresh	150	Recycled	215	Total	365
Fresh	150								
Recycled	215								
Total	365								
	b.	Source of water	BWSSB						

	c.	Waste water generation in KLD	226 KLD
	d.	STP capacity	230 KLD
	e.	Technology employed for Treatment	SBR Technology
	f.	Scheme of disposal of excess treated water if any	Entire treated STP water will be used onsite.
16		Infrastructure for Rain water harvesting	
	a.	Capacity of sump tank to store Roof run off	114 CUM
	b.	No's of Ground water recharge pits	13 nos.
17		Storm water management plan	13 nos percolation pits are provided to percolate the surface run-off water.
18		WASTE MANAGEMENT	
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	Organic & inorganic wastes will be collected in separate bin & disposed to the authorized agency. 250 CUM construction waste will be reused for levelling , road formation & ramp filling within the project site. Demolition waste of the existing building amounting to 42375 CUM concrete waste & 4910 MT structural waste will be scientifically disposed-off.
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	508 kgs/day of Organic waste will be treated in onsite OWC
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	761 kgs/day of Inorganic waste will be disposed to Vendors / Re-Cyclers
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Used oil from DG sets (0.5KL/Annum) The used oil generated will be stored in leak proof containers and will be handed over to PCB authorized re-cyclers.
	d.	Quantity of E waste generation and mode of Disposal as per norms	E-waste generated, if any, will be collected and disposed-off to KSPCB approved vendors.
19		POWER	
	a.	Total Power Requirement - Operational Phase	3655.41 KW is the connected load & 2124.33 KW is demand load from Grid Power.
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	3 Nos X 1250kVA Gensets(N + 1 Configuration) dual fuel fired.
	c.	Details of Fuel used for DG Set	Diesel and CNG
	d.	Energy conservation plan and	23.7 %

		Percentage of savings including plan for utilization of solar energy as per ECBC 2007	
20	PARKING		
	a.	Parking Requirement as per norms	854 nos is the statutory requirement ; provided 889 nos of car parking.
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	D
	c.	Internal Road width (RoW)	8 Mtr

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 18-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form-I, Conceptual plan and clarification/information provided during the meeting. As seen from the village survey map there are no water bodies either in the form of lake or natural nalas which attracts buffer as per norms. This project proposal is to construct commercial building in place of now existing Le meridian Hotel which will be demolished.

The committee after discussion decided to reconsider after submission of the following information.

- 1) The proponent has to come up with scientific disposal of huge construction debris and soil.
- 2) Capacity of roof rainwater harvesting and hard surface rainwater harvesting tanks are to be reworked and submitted.
- 3) The works that are to be taken under CER may be worked out and submitted.

Action: Secretary, SEAC to put up the proposal before SEAC after submission of the above information.

232.28 Proposed Skilled Training and Incubation Business Center Project at Block No.217 Part No.1, Block No.221, Block No.222, Block No.223, Block No.225 of Gokul Village, Hubballi Taluk, Dharwad District by M/s. Deshpande Foundation (SEIAA 133 CON 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Vivek Pawar CEO, Deshpande Foundation, DCSE Building, BVBCET Campus,

		Vidyanagar, Hubbli- 580031
2	Name & Location of the Project	Proposed Skilled Training and Incubation Business Center for Deshpande Foundation at Block No. 217 Part No 1, Block No. 221, Block No. 222, Block No. 223, Block No. 225 in Gokul Village, Hubballi Taluk, Dharwad District, Karnataka
3	Co-ordinates of the Project Site	Longitude: 75°04'01.9"E Latitude: 15°21'12.0"N
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Gokul Pond - 0.80 Kms(SE) Chinnadakere Pond -1.75 Kms (E)
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 is no lake within 75 meter from the site boundary.
5	Type of Development	
a.	Residential group housing/ Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Proposed Skilled Training and Incubation Business Center for Deshapane Foundation
b.	Residential Township/ Area Development Projects	No
6	Plot Area (Sqm)	The total site area is 25,980.62 sq.m.
7	Built Up area (Sqm)	The Gross BUA is 30,965.75 sq.m.
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Proposed Skilled Training and Incubation Business Center for Deshapane Foundation project comprising of 7 Buildings, Building 1 (Auditorium Block) having 1 Ground Floor + Terrace Floor, Building 2 (Administrative Block) having 1 Stilt Floor + Ground Floor + 3 Upper Floor + Terrace Floor, Building 3 (Girls Hostel Block) & 4 (Boys Hostel Block) each having 1 Stilt Floor + Ground Floor + 4 Upper Floor + Terrace Floor, Building 5 (Staff Quarters Block) having 1 Stilt Floor + Ground Floor + 1 Upper Floor + Terrace Floor, Building 6 (Academic Block) having Ground Floor + 3 Upper Floor + Terrace Floor, Building 7 (Agastya Foundation Block) having 1 Stilt Floor + Ground Floor + 2 Upper Floor + Terrace Floor. The site area is 25,980.62

		sq.m. and The Gross BUA is 30,965.75 sq.m.
9	Number of units in case of Construction Projects	Hostel section with 168 units
10	Number of Plots in case of Residential Township/ Area Development Projects	-
11	Project Cost (Rs. In Crores)	60Crores
12	Recreational Area in case of Residential Projects / Townships	NONE
13	Details of Land Use (Sq.m)	
a.	Ground Coverage Area	7,673.00 (29.53%)sq.m
b.	Kharab Land	Nil
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	6500sq.m (33.00%)
d.	Internal Roads	11807.62 sq.m(45.45%)
e.	Paved area	-
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
h.	Total	25,980.62sq.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	No demolition is involved.
b.	Total quantity of Excavated earth (in cubic meter)	17,948.97cu.m.
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	17,948.97cu.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	No disposal
15	WATER	
I.	Construction Phase	
a.	Source of water	From Nearby treated water suppliers
b.	Quantity of water for	50 KLD

	Construction in KLD	
c.	Quantity of water for Domestic Purpose in KLD	10 KLD
d.	Waste water generation in KLD	8 KLD
e.	Treatment facility proposed and scheme of disposal of treated water	The sewage generated during the construction phase will be treated in the Mobile STP
II.	Operational Phase	
a.	Total Requirement of Water in KLD	Fresh 87.2
		Recycled 58.8+74
		Total 220
b.	Source of water	KIADB
c.	Waste water generation in KLD	180 KLD
d.	STP capacity	1 STP's 220 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	414 cu.m.
b.	No's of Ground water recharge pits	114 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	Per capita of waste generated = 20.00 Kgs/day. Separate collection bins will be used for organic and inorganic waste. Organic waste will be converted in organic convertor. Inorganic solid waste will be handed over to authorized recyclers.
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	372kg/day for Academic block, Auditorium, Staff Quarters and Administrative block. 18.3 kg/day for Girls and Boys hostel. Biodegradable waste will be converted in organic convertor.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	248 kg/day for Academic block, Auditorium, Staff Quarters and Administrative block. 12.2 kg/day for Girls and Boys hostel. 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 waste generation and mode of Disposal as per norms	E-waste generation will be very less
19	POWER	
a.	Total Power Requirement - Operational Phase	1250 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	2 X 250 kVA + 1 X 65 kVA + 1 X 45 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"> • Energy saved by using Solar water Heater : 75,000kWH/ Year(a) • Solar Power Generation : • In non-monsoon season 100kWH x 30 x 8 Months = 24,000 kWH • In monsoon season 50kWH x 30 x 4 Months = 6,000 kWH • Total SPV Power Generation in a year = 0.30 L kWH / Annum.....(b) • Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 0.75+0.3 L KWH = 1.05 L / Annum(c) • Total energy savings = 28.76%
20	PARKING	
a.	Parking Requirement as per norms	<p>Car parking Required as Per Z.R= 165 Nos Car Parking provided= 171Nos Building 2 (Administrative Block) parking = 58 Nos Building 3 (Girls Hostel Block) parking = 14 Nos Building 4(Boys Hostel Block) parking = 25 Nos Building 5(Staff Block) parking = 12 Nos Building 7 (Agstya Block) parking = 22 Nos Surface Parking = 40 Nos Total Parking Provided is 171Ecs which is as Per NBC and MoEF Norms</p>
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Hubbli - Dharwad Road-22m wide road is in front of the site which connects to Hubbli - Dharwad Roadtowards South
c.	Internal Road width (RoW)	6m

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 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. As seen from the village survey map there are no water bodies either in the form of lake or natural nalas which attracts buffer as per norms. As seen from the records the proponent has started construction based on CFE obtained from KSPCB for a BUA of 15,233 sqmts which was outside the ambit of EC. Now the work is under progress and the proponent wants to expand the same and the total overall BUA could be 30,965.75 sqmts which falls into the ambit of EC and hence made out this application for obtaining EC.

As far as CER is concerned the proponent has earmarked Rs.1.20 crores to take up remediation works in the flood devastated Hubli city area.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall identify suitable place(KIOSK) 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.

232.29 Proposed Residential Apartment Project comprising of 2BF+GF+15UF in 334 units at Sy.No.52/3 of Doddabettahalli Village, Bangalore North Taluk, Bangalore Urban District By M/s. ARVIND SMARTSPACES LTD. (SEIAA 134 CON 2019)

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 18-10-2019 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. As seen from the village survey map there are no water bodies either in the form of lake or natural nalas which attracts buffer as per norms.

As far as CER is concerned the proponent has earmarked Rs.3.0 crores towards rejuvenation of flood devastated Belgaum District.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% 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.

232.30 Proposed Koosamma Shambu Shetty Memorial Super Specialty Hospital Project comprising of 3BF+GF+11UF at Sy.Nos.125/2B2, 124/2, 123/4A, 123/4B2, 123/5B, 125/3 & 123/2 of No.69 of Moodanidambooru Village, Udupi Taluk & District By M/s. BRS Health & Research Institute Pvt. Ltd. (SEIAA 135 CON 2019)

The proposal was placed before the committee for appraisal. In the meantime the proponent has submitted a letter dated:10-10-2019 requesting for withdrawal of EC proposal.

The committee after discussion / deliberation decided to recommend the proposal for closure and delist from pendency.

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

232.31 Proposed Residential Development Project at V.P. Khata No.191, Sy.Nos.114/1, 114/2 & 114/3 of Doddabanahalli Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District By Sri H.G. Natesh (SEIAA 136 CON 2019)

Sl. No	Particulars	Information		
1	Name & Address of the Project Proponent	Sri. H.G. Natesh. # 823, Gurukrupa, 9 th Cross, 10 th Main, Near Cauvery School, Indiranagar, 2 nd Stage, Bangalore, Karnataka.		
2	Name & Location of the Project	Proposed Residential Development Project at V.P. Khata No 191, Sy No 114/1,114/2 & 114/3, Doddabanahalli Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore District, Karnataka-560067.		
3	Co-ordinates of the Project Site	Direction	Latitude	Longitude
		A	13° 01' 46.32" N	77° 45' 00.30" E
		B	13° 01' 45.79" N	77° 45' 06.96" E

		C	13° 01' 43.75" N	77° 45' 04.02" E
		D	13° 01' 44.09" N	77° 44' 59.82" E
4	Environmental Sensitivity			
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	<u>Lakes :</u> <ul style="list-style-type: none"> • Yellamallappachetty Kere :2.0 km (W) • Hoskote Kere : 4.0 km (NE) • Bommanahalli Ker: 5.5 km(NW) • Krishnaraja kere:5.5 km (SW) 		
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.	Nil		
5	Type of Development			
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Proposed Residential building, having a building configuration of B+GF+7 UF and Terrace, with 326Flatsand Club House.		
b.	Residential Township/ Area Development Projects	NA		
6	Plot Area (Sqm)	11,229.98 Sqm (2 Acre 31 Guntas)		
7	Built Up area (Sqm)	Net Built-up area : 36,302.65 Sq.m		
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	B+GF+7 UF and Terrace with 326 Units with a club house.		
9	Number of units in case of Construction Projects	326 Units		
10	Number of Plots in case of Residential Township/ Area Development Projects	NA		
11	Project Cost (Rs. In Crores)	Rs. 70 Crores		
12	Recreational Area in case of Residential Projects / Townships	15.00 % of Site area		
13	Details of Land Use (Sqm)			
a.	Ground Coverage Area	(38.22 %)4099.11 Sq.m		
b.	Kharab Land	505.84 Sqm		
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1,827.35 Sqm on ground (17.04 %) , 4,369.87 Sqm on Podium (38.90%)		
d.	Internal Roads	8 m		
e.	Paved area	(44.75%)4797.68		
f.	Others Specify	Nil		
g.	Parks and Open space in case of Residential Township/ Area	NA		

	Development Projects		
h.	Total	11,229.98 Sqm (2 Acre 31 Guntas)	
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	NA	
b.	Total quantity of Excavated earth (in cubic meter)	26000 Cum	
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	<ul style="list-style-type: none"> • 8,800Cum will be used for Backfilling. • 7,750 Cum Will be used for Surface filling • 6,300 Cum will be used for Landscaping. • 3,150 Cum will be used for construction of internal roads & foundations. 	
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	Being reused for internal roads and filling low-lying areas inside the project premises.	
15	WATER		
I.	Construction Phase		
a.	Source of water	STP Treated water for Construction. Tanker Water for Domestic Use at construction	
b.	Quantity of water for Construction in KLD	5 KLD	
c.	Quantity of water for Domestic Purpose in KLD	2.25 KLD	
d.	Waste water generation in KLD	2.0 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	Mobile STP of 2.0KLD	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	151 KLD
		Recycled	75 KLD
		Total	226 KLD
b.	Source of water	Gramapanchyat	
c.	Waste water generation in KLD	214KLD	
d.	STP capacity	220 KLD	
e.	Technology employed for Treatment	SBR	
f.	Scheme of disposal of excess treated water if any	Landscaping - 29 KLD Flushing - 75 KLD	

		Secondary usage -89 KLD
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	R H Sump of 80 Cum
b.	No's of Ground water recharge pits	8 No's of shallow recharge pits (Each pit 2m x 4m x 3.5m) and 1 nos, of Deep recharging pits
17	Storm water management plan	Detailed in Annexure of the application.
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	10 Kgs/Day which will be collected & disposed off suitably
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	416 Kg/day will be treated in organic waste convertor
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	278 Kg/day will be handed over to authorized recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	100 L/ annum Spent oil from DG's will be handed over to authorized recyclers
d.	Quantity of E waste generation and mode of Disposal as per norms	NIL
19	POWER	
a.	Total Power Requirement - Operational Phase	1107.2 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Proposed- DG set of 320 kVA of 2 no's.
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	18.37 % Total savings in Lakh units
20	PARKING	
a.	Parking Requirement as per norms	340 Nos
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	B (V. Good)
c.	Internal Road width (RoW)	8 mts

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 18-10-2019 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 after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% 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.

232.32 Proposed Black Granite Quarry Project at Sy.Nos.247/3 & 247/4(P) of Kellamballi Village, Chamarajanagara Taluk & District (3-18 Acres) By Sri Doddalingappa (SEIAA 601 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Doddalingappa S/o Late. Sri. Chinnappa Kadahalli Village Chamarajanagara Taluk & District Karnataka		
2	Name & Location of the Project	Black Granite Quarry in 3-18 Acres of Patta Land bearing Sy. No. 247/3 & 247/4 in Kellamballi Village, Chamarajanagara Taluk & District, Karnataka		
3	Co-ordinates of the Project Site	C.P	Latitude	Longitude
		A	11°58'03.0"	76°54'43.6"
		B	11°58'02.5"	76°54'48.7"
		C	11°57'59.3"	76°54'48.4"
D	11°58'00.4"	76°54'43.3"		
4	Type of Mineral	Black Granite Quarry		
5	New / Expansion / Modification / Renewal	Operating		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Patta Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Acres	3-18		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be	NA		

	removed in case of River sand	
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/modification of mining proposals other than river sand	NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	1,138Cum/ Annum
14	Quantity of Topsoil/Over burden in cubic meter	None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	3,415Cum/ Annum
16	Project Cost (Rs. In Crore)	0.30
17	Environmental Sensitivity	
	a. Nearest Forest	Reverved Forest-14.9 Km Deemd Forest-2.50 Km
	b. Nearest Human Habitation	Kellamballi-1.3 Km
	c. Educational Institutes, Hospital	Chamarajanagara which is Taluk and District head quarter- 5.65Km
	d. Water Bodies	Mariyal Kere-1.85 Km S-SW Chamarajanagar- Kere-4.58 Km S-SE Didrayapete Kere-5.27 Km E-Se Suvarnavathi River-7.43 Km E Kodimole Kere-7.63 Km #E-Se Dodda Kere-8.21 Km SE Maragada Kere-9.26 Km S-SE Kalanahundi Kere-5.74 Km SW Ummattur Kere-9.05 Km N-NW Yedeyur Kere-8.06 KM NE
	e. Other Specify	BRT Tiger Sanctuary-14.9 Km
18	Applicability of General Condition of the EIA Notification, 2006	None
19	Details of Land Use in Acres	
	a. Quarry Working	1-20
	b. Waste Dumps	0-06
	c. Roads	0-03
	d. Mineral storage	0-04
	e. Proposed buffer zone/ Plantation	0-34
	f. Infrastructure	0-04
	g. Unexplored area	0-18

20	Method of Mining/ Quarrying	Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project	NA	
22	Water Requirement		
	a. Source of water	Nearby Bore well Water	
	b. Total Requirement of Water in KLD	Dust Suppression	4.20 KLD
		Domestic	0.50 KLD
		Other	2.80 KLD
		Total	7.50KLD
23	Storm water management plan	Will be carried out.	
24	Any other information specific to the project (Specify)	None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 232nd meeting held on 18-10-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.33 Proposed Expansion of Building Stone Quarry Project at Sy.No.233 of Moraba Village, Kudligi Taluk, Ballari District (Q.L.No.521) (5-00 Acres) By Sri M. Maresh (SEIAA 602 MIN 2019)

The proponent was invited for the 232nd meeting held on 18-10-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

19th October 2019

Members present in the meeting:

Shri. N. Naganna	-	Chairman
Dr. B. Chikkappaiah, IFS(R)	-	Member
Dr. N. Krishnamurthy	-	Member
Dr. M.I Hussain	-	Member

Shri M. Srinivasa	-	Member
Shri G.T Chandrashekarappa	-	Member
Shri J.G Kaveriappa	-	Member
Dr. Vinod kumar C.S	-	Member
Shri D. Raju	-	Member
Shri. Venugopal .V	-	Member
Shri Mohammed Saleem I Shaikh	-	Member

EIA Appraisal:

232.34 Proposed Commercial Building Project at Sy.No.63 of Doddanekundi Village and Sy.Nos.112, 128, 129, 130/2, 131, 135/1, 135/2, 136/2, 130/1(P) & 130/3(P) of KIADB land of Mahadevapura Village, K.R.PuramHobli, Bengaluru East Taluk, Bengaluru Urban District By M/s. Bagmane Developers Pvt. Ltd.(SEIAA 32 CON 2019)

Sl. No.	PARTICULARS	INFORMATION															
1	Name & Address of the Project Proponent	M/s. Bagmane Developers Pvt. Ltd. Lake View 'A' Block, 8 th Floor Bagmane Tech Park C.V.Raman Nagar Bengaluru - 560093.															
2	Name & Location of the Project	"Bagmane - RIO Campus" - Proposed Commercial Building of M/s. Bagmane Developers Pvt. Ltd., Sy. No. 63 of Doddanekundi Village and 112, 128, 129, 130/2, 131, 135/1, 135/2 & 136/2 Privateland 130/1(P) & 130/3(P) of KIADB land of Mahadevapura Village, K.R. PuramHobli, Bengaluru East Taluk, Bengaluru.															
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th>Sl.No</th> <th>North Latitude</th> <th>East Longitude</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N:12°59'0.72"</td> <td>E:77°41'30.45"</td> </tr> <tr> <td>2</td> <td>N:12°58'57.55"</td> <td>E:77°41'26.6"</td> </tr> <tr> <td>3</td> <td>N:12°58'58.7"</td> <td>E:77°41'30.44"</td> </tr> <tr> <td>4</td> <td>N:12°58'55.18"</td> <td>E:77°41'28.74"</td> </tr> </tbody> </table>	Sl.No	North Latitude	East Longitude	1	N:12°59'0.72"	E:77°41'30.45"	2	N:12°58'57.55"	E:77°41'26.6"	3	N:12°58'58.7"	E:77°41'30.44"	4	N:12°58'55.18"	E:77°41'28.74"
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3	N:12°58'58.7"	E:77°41'30.44"															
4	N:12°58'55.18"	E:77°41'28.74"															
4	Environmental Sensitivity																
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	<ul style="list-style-type: none"> Nakkundhi Lake - 0.32km towards NE Doddanekundi Lake - 0.69 km towards SW Kagdasapura Lake - 1.99km towards SW 															
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT	Not Applicable															

		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	Commercial Offices
	b.	Residential Township/ Area Development Projects	--
6	Plot Area (Sqm)		36,320.59 Sqm
7	Built Up area (Sqm)		Total BUA = 1,95,460.50 Sqm
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors		3B+1G+12UF
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)		Total project Cost : 654Crores Land Cost : 279Crores Construction Cost Plant & Machinery :375Crores
12	Recreational Area in case of Residential Projects / Townships		--
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	9570Sqm
	b.	Kharab Land	
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	12131Sqm
	d.	Internal Roads	6800Sqm
	e.	Paved area	7587.59Sqm
	f.	Others Specify	232Sqm.
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	--
	h.	Total	36320.59Sqm
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.	
	b.	Total quantity of Excavated earth (in cubic meter)	207000cum
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	63600cum
	d.	Excess excavated earth (in cubic meter)	143400cum
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	
15	WATER		
	I.	Construction Phase	
	a.	Source of water	Bangalore Water Supply and Sewerage Board (BWSSB).
	b.	Quantity of water for Construction in KLD	20 KLD
	c.	Quantity of water for Domestic Purpose in KLD	10 KLD
	d.	Waste water generation in KLD	8.5 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	Onsite sanitation facilities will be provided and disposed off in to septic tank. Also no large surface water bodies are in the vicinity.
	II.	Operational Phase	
	a.	Total Requirement of Water in KLD	722 KLD
	b.	Source of water	Bangalore Water Supply and Sewerage Board (BWSSB) for drinking purpose.
	c.	Waste water generation in KLD	480
	d.	STP capacity	550 KLD
	e.	Technology employed for Treatment	MBBR technology
	f.	Scheme of disposal of excess treated water if any	No excess treated water
16	Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	8 No's
	b.	No's of Ground water recharge pits	15 No's.
17	Storm water management plan		Rainwater harvesting & storm water management plan has been proposed.
18	Waste Management		
	I.	Construction Phase	
	a.	Quantity of Solid waste generation	Solid waste from Proposed Non residential office

	and mode of Disposal as per norms	building unit will be sent to OWC waste collection and disposal system.
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	890 kg/day & will be treated in OWC.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	590 kg/day Waste will be disposed by authorized recyclers.
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Disposed to pollution control board approved reprocessor.
d.	Quantity of E waste generation and mode of Disposal as per norms	E waste will be handed over to the approved and authorized KSPCB E-Waste recyclers.
19	Power	
a.	Total Power Requirement - Operational Phase	1320 KVA from BESCO.
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	DG set of capacity 1500 KVA for back-up purpose (9 running DG set + 3 standbys).
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	Low loss Copper wound Transformers HF Ballast in place of conventional ballast T5/T8/LED lights for lighting against conventional fluorescent lamps. Energy Saving ~ 20.84 % for Commercial Offices
20	PARKING	
a.	Parking Requirement as per norms	Total Car parking provided = 2865 No's.
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	--
c.	Internal Road width (RoW)	Min 8 mtrs

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 220th meeting held on 9-4-2019 to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form I, Conceptual plan and clarification/additional information provided during the meeting.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies. The committee also prescribed the following additional ToRs.

- 1) Details of the Kharab land and its position on the village survey map may be detailed and submitted.
- 2) Ground water potential and level in the study area may be studied.
- 3) Scheme for waste to energy plant to process the entire organic waste generated from the entire project.
- 4) Management plan to utilise the entire earth generated within the site may be worked out and submitted..
- 5) Utilization of the entire terrace for solar power generation may be worked out and submitted along with layout, efficiency of panels, and cost estimation.
- 6) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
- 7) 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.
- 8) To submit the Details of trees to be felled and the scheme for development of greenery with the number and kind of tree species as per the norms.
- 9) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.
- 10) ECBC norms to be fully complied with for design and choice of equipments. Simulation modeling studies to be conducted and quantify the energy savings. Indicate the energy utilization intensity $=(\text{total KWH}/\text{year})/\text{BUA}$, bench mark this value for similar commercial buildings.
- 11) Carbon footprint to be estimated for construction and operation phase. Suitable offsets to be implemented, quantified and detail calculation to be submitted to try and achieve near zero carbon foot print.
- 12) Traffic simulation studies to be conducted for present and projected traffic densities along with transportation study for construction phase. Traffic plan to be prepared in order to reduce vehicular emissions and project the vehicular emissions through linear air modeling.
- 13) Provide baseline studies of indoor air quality at each floor level and basement of other commercial buildings developed by the proponent. Detail the measures to monitor indoor air quality during operation phase.
- 14) The NOC from the Airport authority regarding the height of the building permitted may be obtained and submitted.
- 15) Ground Water analysis shall be conducted for heavy metal parameters such as Mercury, Lead, Cadmium, & Uranium also.

Accordingly ToRs were issued on 31-05-2019. The proponent has submitted the EIA report on 20-9-2019 and the same was placed before the committee for perusal.

The proponent and Environment consultant attended the 232nd meeting held on 19-10-2019 for EIA presentation. The committee appraised the proposal considering the information provided in the statutory application-Form I, IA, Conceptual plan, EIA report and clarification/additional information provided during the meeting. As seen from the village survey map there is one nala on the western side of the project site for which the proponent has stated that he has left 25 meter buffer zone as mandated.

The committee after discussion decided to reconsider after submission of the following information.

- 1) Scheme for waste to energy plant to process entire organic waste generated from the site to be reworked and submitted.
- 2) Surface hydrology of the abutting nala based on the catchment area may be worked out and carrying capacity of nala to be ascertained and submitted.
- 3) Quantification of carbon foot print and offsets may be worked out and submitted.

Action: Secretary, SEAC to put up the proposal before SEAC after submission of the above information.

Fresh subjects:

232.35 Proposed Building Stone Quarry Project at Sy.No.137/A of Hosakeri Village, Hogaribommanahalli Taluk, Ballari District (5.50 Acres) By Sri A. Arogyadass (SEIAA 603 MIN 2019)

Sl No	PARTICULARS	INFORMATION																		
1	Name & Address of the Project Proponent	Sri A.Arogyadass, #43, H.E.S. Colony, Main Road, T.B.Dam, Hosapete - 583 201, Ballari District.																		
2	Name & Location of the Project	"Building Stone Quarry" Sy. No. 137/ A) Hosakeri Village, Hagaribommanahalli Taluk, Ballari District.																		
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th colspan="3">Datum - wgs84</th> </tr> <tr> <th>Pillar</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>14° 59' 52.8"</td> <td>76° 17' 38.9"</td> </tr> <tr> <td>2</td> <td>14° 59' 51.5"</td> <td>76° 17' 43.8"</td> </tr> <tr> <td>3</td> <td>14° 59' 46.7"</td> <td>76° 17' 43.2"</td> </tr> <tr> <td>4</td> <td>14° 59' 50.6"</td> <td>76° 17' 36.4"</td> </tr> </tbody> </table>	Datum - wgs84			Pillar	Latitude	Longitude	1	14° 59' 52.8"	76° 17' 38.9"	2	14° 59' 51.5"	76° 17' 43.8"	3	14° 59' 46.7"	76° 17' 43.2"	4	14° 59' 50.6"	76° 17' 36.4"
Datum - wgs84																				
Pillar	Latitude	Longitude																		
1	14° 59' 52.8"	76° 17' 38.9"																		
2	14° 59' 51.5"	76° 17' 43.8"																		
3	14° 59' 46.7"	76° 17' 43.2"																		
4	14° 59' 50.6"	76° 17' 36.4"																		

4	Type of Mineral	Building Stone
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt.Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	2.225 Ha (5.50 Acres)
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	Rate of replenishment in case of river sand mining as specified in the sustainable sandmining guideline 2016	NA/ Building Stone Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA / New quarry
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	1,00,022Tonnes per annum salable Building Stone Quarry
14	Quantity of Topsoil/Over burden in cubic meter	Nil
15	Mineral WasteHandled (Metric Tons/ CUM)	2041 Tons/ Annum
16	Project Cost (Rs. In Crores)	50 lakhs
17	Environmental Sensitivity	
	a. Nearest Forest	Shivapura Reserved Forest 4.8 Km - East
	b. Nearest Human Habitation	Metri Village - 1.10 Kms (NW)
	c. Educational Institutes, Hospital	Hagaribommanahalli - 9.0 Kms
	d. Water Bodies	Upparagatta Surface water tank - 1.80 Km (SW)
	e. Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006	--
19	Details of Land Use in Hectares	

a.	Area for Mining/ Quarrying	1.352	
b.	Waste Dumping Area	--	
c.	Top Soil Storage Area		
d.	Mineral Storage Area	--	
e.	Infrastructure Area		
f.	Road Area	0.020	
g.	Green Belt Area/Buffer Zone	0.453	
h.	Unexplored area	0.400	
i.	Others Specify	--	
20	Method of Mining/ Quarrying	Semi Mechanized Method Open quarrying	
21	Rate of Replenishment in case River sand project	NA	
22	Water Requirement		
a.	Source of water	Nearest Borewell	
b.	Total Requirement of Water in KLD	Dust Suppression and Plantation	6.0 KLD
		Domestic	2.0 KLD
		Total	8.0 KLD
23	Storm water management plan	Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)	NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving Building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease has been notified on 19-1-2017 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is a level difference of 18 meters and taking this into consideration committee opined that 80% of the proposed quantity of 10,20,162 tons or 3,92,370 cum can be mined safely and scientifically within the lease period for a quarry pit depth of 20 meters.

The proponent has also stated that there is a existing cart track road to a length of 700 meters joining the lease area to all weather black topped road. The proponent has

stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The proponent has also submitted extended cluster sketch prepared by the DMG wherein it has been stated that there are three other quarries the total area of these quarries being 15.50 Acres and all of these are exempted from cluster effect in view of the fact the ECs for the same were issued prior to 15-1-2016. The area of balance two lease including this lease is 8.80 Acres within the 500 meter radius from this lease this being less than the threshold limit of 5 Ha. committee decided to categorise this under B2 category and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.20.00 lakhs to take up rejuvenation of Uppargatta tank which is at distance of 1.8 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEJAA to issue 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.

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

232.36 Proposed Building Stone Quarry Project at Sy.No.137/A of Hosakeri Village, Hogaribommanahalli Taluk, Ballari District (3.30 Acres) By Sri Javali Prakash (SEJAA 604 MIN 2019)

Sl. No	PARTICULARS	INFORMATION																		
1	Name & Address of the Project Proponent	Sri Javali Prakash, Behind I.B, Holalu Post, Huvinahadagali Taluk, Ballari District																		
2	Name & Location of the Project	"Building Stone Quarry" Sy. No. 137/A) Hosakeri Village, Hagaribommanahalli Taluk, Ballari District.																		
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th colspan="3">Datum - wgs84</th> </tr> <tr> <th>Pillar</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>14° 59' 49.2"</td> <td>76° 17' 38.5"</td> </tr> <tr> <td>2</td> <td>14° 59' 46.8"</td> <td>76° 17' 42.7"</td> </tr> <tr> <td>3</td> <td>14° 59' 44.1"</td> <td>76° 17' 40.8"</td> </tr> <tr> <td>4</td> <td>14° 59' 46.9"</td> <td>76° 17' 37.0"</td> </tr> </tbody> </table>	Datum - wgs84			Pillar	Latitude	Longitude	1	14° 59' 49.2"	76° 17' 38.5"	2	14° 59' 46.8"	76° 17' 42.7"	3	14° 59' 44.1"	76° 17' 40.8"	4	14° 59' 46.9"	76° 17' 37.0"
Datum - wgs84																				
Pillar	Latitude	Longitude																		
1	14° 59' 49.2"	76° 17' 38.5"																		
2	14° 59' 46.8"	76° 17' 42.7"																		
3	14° 59' 44.1"	76° 17' 40.8"																		
4	14° 59' 46.9"	76° 17' 37.0"																		

4	Type of Mineral	Building Stone
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt.Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	1.335 Ha (3.30 Acres)
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	Rate of replenishment in case of river sand mining as specified in the sustainable sandmining guideline 2016	NA/ Building Stone Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA / New quarry
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	75,000Tonnes per annum salable Building Stone Quarry
14	Quantity of Topsoil/Over burden in cubic meter	Nil
15	Mineral WasteHandled (Metric Tons/ CUM)	1531 Tons/ Annum
16	Project Cost (Rs. In Crores)	30 lakhs
17	Environmental Sensitivity	
	a. Nearest Forest	Shivapura Reserved Forest - 4.5 Km - East
	b. Nearest Human Habitation	Metri Village - 1.15Kms (NW)
	c. Educational Institutes, Hospital	Hagaribommanahalli - 9.0 Kms
	d. Water Bodies	Upparagatta Surface water tank - 1.70 Km (SW)
	e. Other Specify	-
18	Applicability of General Condition of the ELA Notification, 2006	-
19	Details of Land Use in Hectares.	

	a.	Area for Mining/ Quarrying	0.983	
	b.	Waste Dumping Area	-	
	c.	Top Soil Storage Area		
	d.	Mineral Storage Area	-	
	e.	Infrastructure Area		
	f.	Road Area	0.020	
	g.	Green Belt Area/ Buffer Zone	0.332	
	h.	Unexplored area	-	
	i.	Others Specify	-	
20		Method of Mining/ Quarrying	Semi Mechanized Method Open quarrying	
21		Rate of Replenishment in case River sand project	NA	
22		Water Requirement		
	a.	Source of water	Nearest Borewell	
	b.	Total Requirement of Water in KLD	Dust Suppression and Plantation	4.5 KLD
			Domestic	1.5 KLD
			Total	6.0 KLD
23		Storm water management plan	Drains will be constructed along the boundary of activity area	
24		Any other information specific to the project (Specify)	NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving Building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease has been notified on 24-1-2017 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is a level difference of 13 meters and taking this into consideration committee opined that the proposed quantity of 4,59,457 tons or 1,72,556 cum can be mined safely and scientifically and safely within the lease period for a quarry pit depth of 20 meters.

The proponent has also stated that there is a existing cart track road to a length of 700 meters joining the lease area to all weather road black topped road. The proponent

has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The proponent has also submitted extended cluster sketch prepared by the DMG wherein it has been stated that there are three other quarries the total area of these quarries being 15.50 Acres and all of these are exempted from cluster effect in view of the fact the ECs for the same were issued prior to 15-1-2016. The area of balance two lease including this lease is 8.80 Acres within the 500 meter radius from this lease and this being less than the threshold limit of 5 Ha. committee decided to categorise this project under B2 category and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.10.00 lakhs to take up rejuvenation of Uppargatta tank which is a distance of 1.8 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.37 Proposed Building Stone Quarry Project at Sy.No.404 of Yalagalahalli Village, Chikkaballapura Taluk & District (3-00 Acres) By Smt. M. Suneetha (SEIAA 605 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Smt M Suneetha C/o Y V Sambashiva #194, 15th Cross, 6th Main A section, Yelahanka New Town, Bengaluru - 560 064		
2	Name & Location of the Project	Building Stone Quarry of Smt M Suneetha Extent of 3-00 Acers under part of Sy.No-404 Yalagalahalli Village, Chikkaballapur Taluk, And District, Karnataka.		
3	Co-ordinates of the Project Site	Boundary Points	Latitude	Longitude
		A	N 13° 36' 33.20"	E 77° 47' 04.70"
		B	N 13° 36' 33.20"	E 77° 47' 08.20"
		C	N 13° 36' 34.40"	E 77° 47' 11.00"

		D	N 13° 36' 36.60"	E 77° 47' 11.50"
		E	N 13° 36' 35.90"	E 77° 47' 06.60"
		F	N 13° 36' 35.20"	E 77° 47' 07.20"
4	Type of Mineral	Building stone		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Gomala Land		
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	NA		
10	Depth of Sand proposed to be removed	NA		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	Year	Saleable Building Stone in Tonnes	
		1st	1,35,553	
		2nd	1,31,629	
		3rd	1,27,705	
		4th	1,23,781	
		5th	1,20,571	
		Total	6,39,239	
12	Quantity of Topsoil/ Over burden in cubic meter			
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	13,044 Tonnes for a period of 5 years.		
14	Project Cost (Rs)	30 lakhs.		
15	Environmental Sensitivity			
	a.	Nearest Forest		
	b.	Nearest Human Habitation	Yalagalahalli 1.3km from the proposed lease area.	
	c.	Educational Institutes, Hospital	Chikkaballpur 20.0km from the proposed lease area.	
	d.	Water Bodies	-	
	e.	Other Specify	-	
16	Applicability of General Condition of the EIA Notification, 2006			

17	Details of Land Use in Ha			
		SL No.	Particulars	Area in Acres
		1	Quarry workings	2.20
		2	Waste dumps	0.05
		3	Roads	0.05
		4	Mineral storage	0.10
		5	Buffer zone	0.55
		6	Infrastructure	0.05
		Total		3.00
18	Method of Mining/ Quarrying	Method of Mining is Semi-Mechanized with Open Cast Method. The mining operation involves drilling, loading and unloading		
19	Water Requirement			
	a.	Source of water	Bore well is the source of water used in the Quarry and it is borrowed from nearby village. About 5.0 KL/day of water is proposed to be utilized for domestic purposes, sprinkling for dust suppression, Afforestation etc.	
	b.	Total Requirement of Water in KLD	Dust Suppuration	2.0
			Domestic	1.0
			Other	2.0
			Total	5.0
20	Storm water management plan			

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving Building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease has been notified on 12-6-2019 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is a level difference of 10 meters and taking this into consideration committee opined that 50% of the proposed quantity of 6,60,842 tons or 2,54,170 cum can be mined safely and scientifically within the lease period for a quarry pit depth of 15 meters.

The proponent has also stated that there is an existing cart track road to a length of 500 meters joining the lease area to all weather black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The proponent has also submitted extended cluster sketch approved by the DMG wherein it has been stated that there are 16 other leases within the 500 meter radius for which ECs were issued prior to 15-1-2016 and hence they are exempted from cluster effect. The fresh lease only this lease which is under consideration and area of this lease being less than the threshold limit of 5 Ha. committee decided to categorise this project under B2 category and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.7.00 lakhs to take up rejuvenation of Thimmenahalli Lake which is a distance of 3.1 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.38 Proposed Building Stone Quarry Project at Sy.No.21 of Banahalli Village, Malur Taluk, Kolar District (3-00 Acres) By Sri B.M. Krishnamurthy (SEIAA 606 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri B M Krishnamurthy Banahalli Village TekalHobli, MalurTaluk Kolar District		
2	Name & Location of the Project	Building Stone Quarry of Sri B M Krishnamurthy Extent of 3-00 Acres under part of Sy.No-21 Banahalli Village, MalurTaluk, Kolar District, Karnataka.		
3	Co-ordinates of the Project Site	Boundary Points	Latitude	Longitude
		A	N 12° 58' 28.55"	E 78° 05' 48.92"
		B	N 12° 58' 28.75"	E 78° 05' 48.58"
		C	N 12° 58' 32.47"	E 78° 05' 49.19"

		D	N 12° 58' 32.62"	E 78° 05' 48.86"
4	Type of Mineral	Building stone		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Gomala Land		
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	NA		
10	Depth of Sand proposed to be removed	NA		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	Year	Saleable Building Stone in Tonnes	
		1 st	82,696	
		2 nd	83,722	
		3 rd	1,05,872	
		4 th	1,09,721	
		5 th	1,18,588	
		Total	5,00,600	
12	Quantity of Topsoil/Over burden in cubic meter			
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	10,216 Tonnes for a period of 5 years.		
14	Project Cost (Rs)	25 lakhs.		
15	Environmental Sensitivity			
16	a.	Nearest Forest		
	b.	Nearest Human Habitation	Banahalli 3.47km from the proposed lease area.	
	c.	Educational Institutes, Hospital	Bangarpet 9.04km from the proposed lease area.	
	d.	Water Bodies	-	
	e.	Other Specify	-	
16	Applicability of General Condition of the EIA			

	Notification, 2006									
17	Details of Land Use in Ha									
	Sl. No.	Particulars								
	1	Quarry workings								
	2	Waste Dumps								
	3	Roads								
	4	Mineral Storage								
	5	Buffer zone								
	6	Infrastructure								
	Total	120								
18	Method of Mining/ Quarrying	Method of Mining is Semi-Mechanized with Open Cast Method. The mining operation involves drilling, loading and unloading								
19	Water Requirement									
	a. Source of water	Bore well is the source of water used in the Quarry and it is borrowed from nearby village. About 6.5 KL/day of water is proposed to be utilized for domestic purposes, sprinkling for dust suppression, Afforestation etc.								
	b. Total Requirement of Water in KLD	<table border="1"> <tr> <td>Dust Suppuration</td> <td>2.0</td> </tr> <tr> <td>Domestic</td> <td>2.5</td> </tr> <tr> <td>Other</td> <td>2.0</td> </tr> <tr> <td>Total</td> <td>6.0</td> </tr> </table>	Dust Suppuration	2.0	Domestic	2.5	Other	2.0	Total	6.0
Dust Suppuration	2.0									
Domestic	2.5									
Other	2.0									
Total	6.0									
20	Storm water management plan	-								

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving building stone mining in Govt., land. This is a old lease for which lease was granted during the year 2008. The proponent has stated he has not carried out any activity from 2008 to till date. The DMG has also issued audit report wherein it is indicated nil production from 2008-09 to 2013-14. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and the project has also


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been approved by the District Task Force and the lease has been renewed during 2017. As seen from the quarry plan there is a level difference of 40 meters and taking this into consideration committee opined that 90% of the proposed quantity of 2,68,696 cum or 6,98,610 tons can be mined safely and scientifically and safely within the lease period for a quarry pit depth of 15 meters.

As per the extended cluster sketch prepared by the DMG wherein it has been stated four existing leases within the 500 meter radius including this lease combined area of these four leases is 12 Acres 20 guntas and proponent requested to exempt all these leases from the cluster effect for the reason that the leases were granted prior to 9-9-2013.

The proponent has also stated that there is an existing cart track road to a length of 400 meters joining the lease area to all weather road black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

As far as CER is concerned the proponent has stated that he has earmarked Rs.14.00 lakhs to take up rejuvenation of Yalesandra lake which is a distance of 1.90 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.39 Proposed Building Stone Quarry Project at Sy.No.34 of I.D.Hally Village, Madhugiri Taluk, Tumkur District (3-08 Acres) By M/s. Madhugiri Granites (SEIAA 607 MIN 2019)

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving Building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease

has been notified on 18-11-2017 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is another lease whose area is 4 Acres 3 guntas adjacent to this lease and EC for the same was issued by DEIAA. Now this proposal is for the other lease adjacent to this whose lease area is 3 Acres 8 Guntas. The DMG while approving the quarry plan for this lease has not left any buffer zone in the common boundary. As seen from the quarry plan there is a level difference of 3 meters in the mining area and taking this into consideration committee opined that 80% of the proposed quantity of 4,86,617 tons or 1,87,950 cum can be mined safely and scientifically within the lease period for a quarry pit depth of 15 meters.

As per the cluster sketch prepared by DMG there is one more lease and the combined area of these two leases is 7Acre 11 Guntas within the 500 meter radius from this lease area and area being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.40 Proposed Building Stone Quarry Project at Sy.No.43 of Chikkanagavalli Village, Chikkaballapura Taluk & District (Q.L.No.143) (0-35 Acres) By Sri Ashwathappa (SEIAA 610 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Ashwathappa S/o, Sri. Erappa Chikkanagavalli Village Aruru Post, Mandikal Hobli Chikkaballapura District		
2	Name & Location of the Project	Building Stone Quarry in 0-35 Acre of Govt. Land bearing Sy. No. 43 Chikkanagavalli Village, Chikkaballapura Taluk & District, Karnataka. (Renewal QL. No. 143)		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 13°36'21.6"	E 77°45'38.3"
		B	N 13°46'23.9"	E 77°45'39.3"
		C	N 13°36'22.3"	E 77°45'37.0"

		D	N 13°36'24.6"	E 77°45'37.9"
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification / Renewal	Renewal		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt. Revenue		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	0.35 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to 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/ modification of mining proposals other than river sand	NA		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	5,397 (Avg.) Tons/ Annum		
14	Quantity of Topsoil/Over burden in cubic meter	None		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	284 Tons/ Annum		
16	Project Cost (Rs. In Crores)	0.03		
17	Environmental Sensitivity			
	a. Nearest Forest	None within 5 Km Radial Distance		
	b. Nearest Human Habitation	Chikkanagavalli - 1.0 Km		
	c. Educational Institutes, Hospital			
	d. Water Bodies	Kottepalli Kere 4.5 Km towards SE Nandanagenahalli Kere 2.6 Km towards E Balagenahalli Kere 3.8 Km towards E-SE Here Nagavali Kere 1.8 Km towards NW Mandikal Kere 3 Km towards SW		
	e. Other Specify			
18	Applicability of General Condition of the EIA Notification, 2006	None		
19	Details of Land Use in Acres			
	a. Area for Mining/ Quarrying	0-18 Acres		

	b.	Waste Dumping Area	-	
	c.	Top Soil Storage Area	-	
	d.	Mineral Storage Area	-	
	e.	Infrastructure Area	-	
	f.	Road Area	0-15	
	g.	Green Belt Area	0-02	
	h.	Unexplored area	-	
	i.	Others Specify	-	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Nearby Borewell Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	5.6 KLD
			Domestic	0.36 KLD
			Other	0.5 KLD
			Total	6.46 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving building stone mining in Govt. land. This is a old lease for which lease was granted during the year 2003 and the same was renewed in the year 2008 and was valid upto 2013 and notification for further renewal was notified on 1-8-2016. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and the project has also been approved by the District Task Force. As seen from the quarry plan there is a level difference of 4 meters and taking this into consideration and also the fact that he has already mined 2,800 tons committee opined that the proposed quantity of 10,800 cum or 28,400 tons can be mined safely and scientifically and safely within the lease period for a quarry pit depth of 6 meters.

As per the extended cluster sketch is concerned the proponent has requested exemption from the cluster effect for his proposal based on the fact that his initial lease was granted prior to 9-9-2013.

The proponent has also stated that there is a existing cart track road to a length of 630 meters joining the lease area to all weather black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

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

3. Safe drinking water has to be provided at the quarry site.
4. Dust suppression measures have to be strictly followed.

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

232.41 Proposed Multicolour Granite Quarry Project at Sy.No.62 of Bettadakeshvi Village, Arehalli Hobli, Belur Taluk, Hassan District (4-00 Acres) By M/s. Pacific Ventures (SEIAA 611 MIN 2019)

Sl. No	PARTICULARS	INFORMATION																					
1	Name & Address of the Project Proponent	"Multicolor Granite Quarry" of M/s. Pacific Ventures, Partner: Sri. Rajagopal B.M #1277, 1st floor, 8th Cross, 1st Phase, J. P. Nagar, Bangalore 560078 Karnataka.																					
2	Name & Location of the Project	"Multicolor Granite Quarry" Sy No. 62, Bettadakeshvi village, Arehalli Hobli, Belur Taluk, Hassan District, Karnataka.																					
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th>Corner Pillar</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>BP-A</td> <td>N 13° 08' 15.00"</td> <td>E 75° 46' 31.5"</td> </tr> <tr> <td>BP-B</td> <td>N 13° 08' 18.30"</td> <td>E 75° 46' 37.8"</td> </tr> <tr> <td>BP-C</td> <td>N 13° 08' 16.80"</td> <td>E 75° 46' 39.2"</td> </tr> <tr> <td>BP-D</td> <td>N 13° 08' 12.80"</td> <td>E 75° 46' 33.4"</td> </tr> <tr> <td>BP-E</td> <td>N 13° 08' 13.50"</td> <td>E 75° 46' 32.3"</td> </tr> <tr> <td colspan="3">WGS-84 DATUM</td> </tr> </tbody> </table>	Corner Pillar	Latitude	Longitude	BP-A	N 13° 08' 15.00"	E 75° 46' 31.5"	BP-B	N 13° 08' 18.30"	E 75° 46' 37.8"	BP-C	N 13° 08' 16.80"	E 75° 46' 39.2"	BP-D	N 13° 08' 12.80"	E 75° 46' 33.4"	BP-E	N 13° 08' 13.50"	E 75° 46' 32.3"	WGS-84 DATUM		
Corner Pillar	Latitude	Longitude																					
BP-A	N 13° 08' 15.00"	E 75° 46' 31.5"																					
BP-B	N 13° 08' 18.30"	E 75° 46' 37.8"																					
BP-C	N 13° 08' 16.80"	E 75° 46' 39.2"																					
BP-D	N 13° 08' 12.80"	E 75° 46' 33.4"																					
BP-E	N 13° 08' 13.50"	E 75° 46' 32.3"																					
WGS-84 DATUM																							
4	Type of Mineral	Multicolour Granite																					
5	New / Expansion / Modification / Renewal	New																					

6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Pattaland
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	1.62Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed	It's a Multicolour Granite Quarry
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Multicolour Granite Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh Land
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	3000Cu.m
14	Quantity of Topsoil/Over burden in cubic meter	Not Available
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	5,571 Cu.m
16	Project Cost (Rs. In Crores)	1.36crores
17	Environmental Sensitivity	
	a. Nearest Forest	Tattakola Reserved Forest-13Kms(NW)
	b. Nearest Human Habitation	Bettadakeshvi village - 0.60 kms (E)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Belur (NE) about 9.04 kms
	d. Water Bodies	Nyamanahalli Pond - 1.10 Kms(NE) Hemavati River - 2.00 Kms(S)
	e. Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006	
19	Details of Land Use in Acres	
	a. Area for Mining/ Quarrying	1-32

	b.	Waste Dumping Area	1-02	
	c.	Mineral Storage Area		
	d.	Infrastructure Area	0-06	
	e.	Top Soil Yard		
	f.	Road Area	0-02	
	g.	Buffer Zone	0-38	
	h.	Unexplored area	-	
	g.	Others Specify	-	
20	Method of Mining/ Quarrying		Semi Mechanized Open quarrying excavation	
21	Rate of Replenishment in case River sand project		NA	
22	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	9.27 KLD
			Domestic	1.57 KLD
			Other	1.26 KLD
			Total	12.1 KLD
23	Storm water management plan		<ul style="list-style-type: none"> • Drains will be constructed along the boundary of activity area • Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season 	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving ornamental stone mining in patta land. This is a fresh lease notified on 10-7-2019. The proponent has stated that he has obtained NoCs from Forest and Revenue Departments and also the land conversion order. As per the cluster sketch prepared by DMG there are no other leases within the 500 meters radius and area of this lease being less than the threshold limit of 5 Ha, the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As per the quarry plan there is a level difference of 18 meters and taking this into consideration the committee opined that 30% of the proposed proved reserved quantity of 5,65,500 cum can be mined further safely and scientifically to a depth of 20 meters for the lease period and it is also noticed that the recovery is 35% i.e., 59,377 cum for a lease

period and 65% is waste i.e., 1,10,272 cum for which the proponent has stated that he will convert this into building stone and the same has been reflected in the approved quarry plan.

The proponent has also stated that there is an existing cart track road to a length of 240 meters joining the lease area to all weather road black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

As far as CER is concerned the proponent has stated that he has earmarked Rs.12.00 lakhs to take up remediation works in rain devastated areas of Hassan District.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.42 Proposed Building Stone Quarry Project at Sy.No.123/6 (Part) of Ganikoppa Village, Bailahongala Taluk, Belagavi District (2-00 Acres) By M/s. GORAL STONE CRUSHER (SEIAA 612 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	M/s. Goral stone Crushers Rep: Sri. Ramesh P. Goral S/o Sri Parasuram Goral Near Desur Railway station Azad Shapur, Joida Belagavi Karnataka		
2	Name & Location of the Project	Building Stone Quarry in 2-00 Acres of Patta Land bearing Sy. No. 123/6, Ganikoppa Village, Bailahongala Taluk & Belagavi District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 15°48'15.8"	E 74°38'02.1"
		B	N 15°48'16.7"	E 74°38'04.2"
		C	N 15°48'20.4"	E 74°38'03.6"
4	Type of Mineral	D	N 15°48'20.3"	E 74°38'01.6"
		Building Stone		
5	New / Expansion / Modification / Renewal	New Quarry		

6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Patta Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Acres	2-00 acres
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to 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/modification of mining proposals other than river sand	NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	18,201(Avg.) Tons/ Annum
14	Quantity of Topsoil/Over burden in cubic meter	None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	375 (Avg.) Tons/ Annum
16	Project Cost (Rs. In Crores)	2.90
17	Environmental Sensitivity	
	a. Nearest Forest	Marihal RF-10.00 Kms N-NE
	b. Nearest Human Habitation	Gonikoppa-2.0 Kms
	c. Educational Institutes, Hospital	Belagavi City which is District head quarter-14.00Km
	d. Water Bodies	Gonikoppa Nala-1.20 Kms N Kallarakoppa Tank-3.75 Kms SW
	e. Other Specify	None
18	Applicability of General Condition of the EIA Notification, 2006	None
19	Details of Land Use in Hectares	
	a. Area under Mining	0.5771
	b. Waste Dumps	0.0100
	c. Mineral Stock Yard	0.0100
	d. Infrastructure	0.0050
	e. Roads	0.0050
	f. Green Belt	0.2023
20	Method of Mining/ Quarrying	Opencast Semi-mechanized
21	Rate of Replenishment in case	NA

	River sand project			
22	Water Requirement			
	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	
			Domestic	10.50 KLD
			Other	
			Total	10.50 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving building stone mining in patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and also obtained land conversion order. The lease has been notified on 6-3-2019.

As seen from the quarry plan there is a level difference of 6 meters within the mining area and taking this into consideration the committee opined that 45% of the proposed proved quantity of 3,79,935 tons or 1,40,717 cum can be mined safely and scientifically to a quarry pit depth of 15 meters for a lease period.

As per the extended combined sketch prepared by DMG there are four leases including this lease out of which EC for one lease was granted prior to 15-1-2016 and based on this proponent has requested to exempt from cluster effect. The total area of remaining three leases including this lease within the 500 meter radius from this lease being less than the threshold limit of 5 Ha. committee decided to categorise this project under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 2.0 KM connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.8.00 lakhs to take up rejuvenation of Kallarkoppa kere which is at a distance of 3.75 KM. from the lease area.

Further committee observed that there are inconsistencies in the proved cluster sketch one furnished along with documents and the other furnished during appraisal for which the proponent has stated that he will furnish the required clarification. In view of the above committee decided to reconsider.

Action: Secretary, SEAC to put up the proposal before SEAC after submission of the above information.

232.43 Proposed Ordinary Sand Mining Project at Sy.No.28/1, 29, 30/2, 31/1 & 31/2 of Cholochagudda Village, Badami Taluk, Bagalkot District (11-39 Acres) By Sri Siddappa Shivanna Bhajantri (SEIAA 613 MIN 2019)

Sl No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Siddappa Shivanna Bhajantri , Manjunatha Nagar, Badami, Bagalkot, Karnataka.
2	Name & Location of the Project	"Ordinary Sand Quarry" Over an extent of 11-39 Acres (4.84 Ha) In Patta Land, Sy. No - 28/1,29,30/2,31/1 & 31/2 in Cholochagudda - Village, Badami - Taluk, Bagalkot - District, Karnataka.
3	Co-ordinates of the Project Site	
4	Type of Mineral	Ordinary Sand Quarry
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	4.84 Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed	3.00m
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining	Not Applicable For Patta land

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	guideline 2016			
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		Fresh Land	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		66,485cumTons/ annum	
14	Quantity of Topsoil/Over burden in cubic meter		Topsoil 0.5m and Sand upto a depth of 3.0m	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		No waste Availbale	
16	Project Cost (Rs. In Crores)		0.93 crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	Reserved Forest-0.95Kms(E)	
	b.	Nearest Human Habitation	Cholochagudda -0.95 Kms (NW)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Badami.	
	d.	Water Bodies	The deposit is in meander of Malaprabha River and in the course of time River is slowly moved leaving behind the sand deposit	
	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	9-29	
	b.	Waste Dumping Area	--	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	--	
	g.	Green Belt Area/Buffer Zone	2-10	
	h.	Unexplored area	--	
	i.	Others Specify	--	
20	Method of Mining/ Quarrying		Semi Mechanized Open quarrying excavation	
21	Rate of Replenishment in case River sand project		NA	
22	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	3.85 KLD
			Domestic	0.80 KLD
			Other	0.55 KLD
			Total	5.2KLD

23	Storm water management plan	<ul style="list-style-type: none"> • Drains will be constructed along the boundary of activity area • Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season
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The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh sand quarry lease in patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Departments and applied for land conversion order and also he has stated that the quarry plan has also been got approved from the DMG. It is observed from the records that all the NoCs issued for 15 Acres 10 guntas of lease area but approved mining plan was for 11 Acres 39 guntas. The project is located at a distance of 55 meters from Malaprabha River. The average top level of the sand block is 534 meters and dry weather flow (bed level) of the river is 526 meters. The depth of mining is 4.0 meters including one meter of top soil and the proponent has stated that he will take up mining subdividing the mining block into three sub blocks and taking up mining in each block every year. Taking this into consideration the proposed quantity of 1,17,279 cum or 1,99,374 tons for lease period can be mined safely and scientifically.

The proponent has also stated that he will build a cart track road to a length of 430 meters joining the lease area to all weather road in the private patta lands for which an MOU with the land owner has already been obtained. The proponent has also stated that he will establish a stock yard on a private land for which also MOU with the land owners has been obtained. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The proponent has also submitted combined sketch prepared by the DMG wherein it has stated that there are no other leases within the 500 meter radius from the lease area and this being less than the threshold limit of 5 Ha., the committee decided to categorise this proposal under B2 category and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.6.00 lakhs to take up works in connection with recharging of nearby community borewells.

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 3.0 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.

232.44 Proposed Ordinary Sand Mining Project at Sy.No.59 of Tekkaru Village, Belthangadi Taluk, Dakshina Kannada District (5.189 Acres) By Sri B. Adam (SEIAA 614 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. B. Adam S/o. Sri Ahmad Bazaar House, Tekkaru Village and Post Belthangadi Taluk, Dakshinakannada Karnataka		
2	Name & Location of the Project	Ordinary Sand Block No. 01 in 5.189 acres (2.10Ha.) in Nethravathi River Bed, Sy. No.59 of Tekkaru Village, Belthangadi Taluk & Dakshina Kannada District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12°50'56.40"	E 75°10'52.30"
		B	N 12°50'52.31"	E 75°11'01.71"
		C	N 12°50'50.20"	E 75°11'01.00"
4	Type of Mineral	Ordinary Sand		
	5	New / Expansion / Modification / Renewal	New	
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	2.10 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	2.0 m		
10	Depth of Sand proposed to be removed in case of River sand	1.0 m		

11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	36,120 Tons/ Annum
14	Quantity of Topsoil/Over burden in cubic meter	None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	No Waste generation
16	Project Cost (Rs. In Crores)	0.25
17	Environmental Sensitivity	
	a. Nearest Forest	Uli RF-1.28 Km N Bekllappadi Kodimbadi RF-3.54 Km S Maninalkuru RF-1.79 Km NW Tenkajekar RF-5.46 Km N Parenki RF-8.74 Km N-NE Machina RF-8.77 Km NE Bellipadi Nekkiladi RF-6.29 Km E-SE Narimogaru RF-8.57 KM SE Virakhamba RF-7.02 Km W-SW Kodyamale RF-7.28 KMm NW Kavalamunur RF-7.95 Km N-NW
	b. Nearest Human Habitation	Tekkaru village
	c. Educational Institutes, Hospital	Belthangadi-18.30 Km
	d. Water Bodies	The project lies on Nethravathi River Kumaradara River-6.54 Km E-SE Amey Hole-1.27 Km SE
	e. Other Specify	
18	Applicability of General Condition of the EIA Notification, 2006	None
19	Details of Land Use in Ha	
	a. Area for Mining/ Quarrying	2.10 Ha.
	b. Waste Dumping Area	-
	c. Top Soil Storage Area	-
	d. Mineral Storage Area	-
	e. Infrastructure Area	-

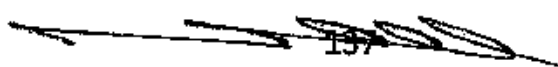
	f.	Road Area	-	
	g.	Green Belt Area	-	
	h.	Unexplored area	-	
	i.	Others Specify	-	
20		Method of Mining/ Quarrying	Opencast Semi-mechanized	
21		Rate of Replenishment in case River sand project	-	
22		Water Requirement		
	a.	Source of water	Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	3.95 KLD
			Domestic	0.55 KLD
			Other	
			Total	4.50KLD
23		Storm water management plan	Will be carried out.	
24		Any other information specific to the project (Specify)	None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Nethravathi River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 250 meter and the buffer width of 36 meter has been left on right side and 144 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 21.0 meter MSL and top level of the sand block is 22.5 meter MSL, and the depth of the mining proposed being 1.0 meter and bottom of the mining pit will be 0.5 meter above the dry weather flow level. The proponent has stated that he will take up mining for a depth of 1.0 meter every year and mining will be done in the subsequent years only after the full replenishment of the mining pit. As per the quarry plan 95% of the proposed quantity of 1,80,600 tons can be mined safely and scientifically after leaving side slopes of 1:1 ½ for the lease period.

As per the cluster sketch prepared by DMG there is one more lease and the combined area of these two leases is 4.30 Ha. within the 500 meter radius from this lease area and area being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.


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The proponent has stated that he has proposed a stock yard at a distance of 160 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 160 meters and proceeding further to connect all weather road i.e., Bantwal – Uppinaangadi village road at a overall distance of 250 meters.

As far as CER is concerned the proponent has stated that he has earmarked Rs.7.00 lakhs to take up strengthening of river bank by bio mechanical methods.

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.

232.45 Proposed Building Stone Quarry Project at Sy.No.73 of N. Kodihalli Village, Maddur Taluk, Mandya District (0-25 Acres) By Sri Girish (SEIAA 615 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Girish S/o Sri. Govindaiah N. Kodihalli Village Nilivagilu Post Maddur Taluk, Mandya District Karnataka		
2	Name & Location of the Project	Building Stone Quarry in 0-25 Acres of Govt. Land bearing Sy. No. 73,N. Kodihalli Village, Maddur Taluk & Mandya District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12°41'29.4"	E 77°00'37.9"
		B	N 12°41'29.2"	E 77°00'38.9"
		C	N 12°41'26.8"	E 77°00'38.4"
	D	N 12°41'27.0"	E 77°00'37.4"	
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification	New Quarry		

	/ Renewal	
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Acres	0-25 acre
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to 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/ modification of mining proposals other than river sand	NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	12,00(Avg.) Tons/ Annum
14	Quantity of Topsoil/Over burden in cubic meter	None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	62 Tons/ Annum
16	Project Cost (Rs. In Crores)	0.06
17	Environmental Sensitivity	
	a. Nearest Forest	Makali Forest-9.77 Km
	b. Nearest Human Habitation	Kodisettypura -850m
	c. Educational Institutes, Hospital	Srirangapatna -12.0Km
	d. Water Bodies	Shimsha River- 1.14 Km E-NE Kestur Kere-3.75 KM E-NE Konasale Kere-4.75 Km SW Doddankanahali Kere-3.56 Km N Navale Kere-7.4 Km N ChakkanaKere Kere-7.53 Km NE Mandya Kere-8.45 Km E-NE Toresettihalli Kere-5.62 Km E-SE Yammanahalli Kere-8.83 Km SE Maddur Kere-8.47 Km S Besaganahalli Kere-6.05 Km S-SW Guluru Kere-6.59 Km W-SW Koppa Kere-5.64 Km W Mudya Kere-5.73 Km NW

	e.	Other Specify	None	
18		Applicability of General Condition of the EIA Notification, 2006	None	
19		Details of Land Use in Hectares		
	a.	Quarry working	0.092	
	b.	buffer zone	0.166	
	c.	Dump Yard	0.005	
20		Method of Mining/ Quarrying	Opencast Semi-mechanized	
21		Rate of Replenishment in case River sand project	NA	
22		Water Requirement		
	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	1.40 KLD
			Domestic	0.30 KLD
			Other	2.30 KLD
			Total	4.00KLD
23		Storm water management plan	Will be carried out.	
24		Any other information specific to the project (Specify)	None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that that this is a fresh proposal involving building stone mining in Govt., land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and the project has also been approved by the District Task Force. As seen from the quarry plan there is a level difference of 2 meters and taking this into consideration committee opined that 80% of the proposed quantity of 10,122 cum or 26,317 tons can be mined safely and scientifically within the lease period for a quarry pit depth of 6 meters.

As per the extended cluster sketch there are 14 leases including this lease and combined area of these leases is 10 Acres 3 guntas and this being less than the threshold limit of 5 Ha. committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has also stated that there is a existing cart track road to a length of 900 meters joining the lease area to all weather road black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The committee observed some discrepancies in the areas mentioned in the lease grant, quarry plan and cluster plan for which the proponent has stated that he will submit the proper clarification in this regard. Hence the committee after discussion decided to reconsider.

Action: Secretary, SEAC to put up the proposal before SEAC after submission of the above information.

232.46 Proposed Building Stone Quarry Project at Sy.No.409/1(P) of Batakurki Village, Ramadurga Taluk, Belgaum District (5-00 Acres) By Smt. Varuna S Bandivadder (SEIAA 620 MIN 2019)

Sl. No	PARTICULARS	INFORMATION												
1	Name & Address of the Project Proponent	Smt Varuna S Bandivadder Ward No:5 Kanakadas Colony Jamkhandi Road Mudhol Bagalkot District.												
2	Name & Location of the Project	Batakurki Village Ramadurga Taluk Belagavi District Karnataka.												
3	Co-ordinates of the Project Site	<table border="1"> <tr> <td>A</td> <td>N 16° 04' 26.0"</td> <td>E75° 21' 11.0"</td> </tr> <tr> <td>B</td> <td>N 16° 04' 26.3"</td> <td>E75° 21' 18.5"</td> </tr> <tr> <td>C</td> <td>N 16° 04' 23.4"</td> <td>E75° 21' 18.2"</td> </tr> <tr> <td>D</td> <td>N 16° 04' 23.0"</td> <td>E75° 21' 10.6"</td> </tr> </table>	A	N 16° 04' 26.0"	E75° 21' 11.0"	B	N 16° 04' 26.3"	E75° 21' 18.5"	C	N 16° 04' 23.4"	E75° 21' 18.2"	D	N 16° 04' 23.0"	E75° 21' 10.6"
A	N 16° 04' 26.0"	E75° 21' 11.0"												
B	N 16° 04' 26.3"	E75° 21' 18.5"												
C	N 16° 04' 23.4"	E75° 21' 18.2"												
D	N 16° 04' 23.0"	E75° 21' 10.6"												
4	Type of Mineral	Building Stone(M Sand).												
5	New / Expansion / Modification / Renewal	New.												
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Private Land.												
7	Whether the project site fall within ESZ/ESA	No												
8	Area in Ha	5.0 Acre (2.02 Ha) Sy No: 409/1(p)												
9	Actual Depth of building stone in the lease area / Patta Land building stone	Depth of building stone in Private land -20mt(from top level).												
10	Depth of building stone proposed to be removed	Depth of building stone proposed-15mt (from Surface level)												
11	Annual Production Proposed	101191Tons/Year.												

	(Metric Tons/ CUM) / Annum		
12	Quantity of Topsoil/Overburden in cubic meter	Waste-5326TPA	
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Nil	
14	Project Cost (Rs. In Crores)	50 Lakh	
15	Environmental Sensitivity		
	a. Nearest Forest	Reserve forest 4.0 km .	
	b. Nearest Human Habitation	Batakurki-1.50 km	
	c. Educational Institutes, Hospital	Belagavi-65km	
	d. Water Bodies	Midchi Halla -6.50km	
	e. Other Specify	Nil	
16	Applicability of General Condition of the EIA Notification, 2006		
17	Details of Land Use in A-G		
	a. Area for Mining/ Quarrying	3-34	
	b. Waste Dumping Area	--	
	c. Top Soil Storage Area	--	
	d. Mineral Storage Area	--	
	e. Infrastructure Area	--	
	f. Road Area	0-01	
	g. Green Belt Area	--	
	h. Others Specify Safety Zone	1-25	
	Total	5.00 Acre (2.02Ha)	
18	Method of Mining/ Quarrying		
	Semi Mechanised Quarrying		
19	Water Requirement		
	a. Source of water	Near By Own Borwell.	
	b. Total Requirement of Water in KLD	Dust Suppuration	6.0
		Domestic	2.5
		Other,Plantation	1.5
		Total	10.0
20	Storm water management plan		
	--		

The proponent was invited for the 232nd meeting held on 19-10-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.47 Proposed Building Stone Quarry Project at Sy.No.21 of Banahalli Village, Malur Taluk, Kolar District (2-10 Acres) By Smt. B.H. Sandhya (SEIAA 621 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Smt B H Sandhya C/o B.M. Krishnamurthi Banahalli Village, Tyakal Hobli Malur Taluk, Kolar District.		
2	Name & Location of the Project	Building Stone Quarry of Smt B H Sandhya Extent of 2-10 Acres under part of Sy.No-21 Banahalli Village, Malur Taluk, Kolar District, Karnataka.		
3	Co-ordinates of the Project Site	Boundary Points	Latitude	Longitude
		A	N 12° 58' 24.06"	E 78° 05' 53.82"
		B	N 12° 58' 26.45"	E 78° 06' 0.03"
		C	N 12° 58' 27.78"	E 78° 05' 59.40"
		D	N 12° 58' 25.39"	E 78° 05' 53.18"
4	Type of Mineral	Building stone		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Gomala Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	0.910		
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	Year	Saleable Building Stone in Tonnes	
		1 st	50,394	
		2 nd	56,713	
		3 rd	54,186	
		4 th	52,448	
		5 th	50,710	
		Total	2,64,452	

12	Quantity of Topsoil/Over burden in cubic meter																									
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	5397 Tonnes for a period of 5 years.																								
14	Project Cost (Rs)	20 lakhs.																								
15	Environmental Sensitivity																									
	a. Nearest Forest																									
	b. Nearest Human Habitation	Banahalli 1.5 km from the proposed lease area.																								
	c. Educational Institutes, Hospital	Bangarpet 8.7 km from the proposed lease area.																								
	d. Water Bodies	-																								
	e. Other Specify	-																								
16	Applicability of General Condition of the EIA Notification, 2006																									
17	Details of Land Use in Ha																									
		<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Particulars</th> <th>Area in Guntas</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Quarry workings</td> <td>50</td> </tr> <tr> <td>2</td> <td>Waste dumps</td> <td>2</td> </tr> <tr> <td>3</td> <td>Roads</td> <td>2</td> </tr> <tr> <td>4</td> <td>Mineral storage</td> <td>4</td> </tr> <tr> <td>5</td> <td>Buffer zone</td> <td>30</td> </tr> <tr> <td>6</td> <td>Infrastructure</td> <td>2</td> </tr> <tr> <td>Total</td> <td></td> <td>90</td> </tr> </tbody> </table>	Sl. No.	Particulars	Area in Guntas	1	Quarry workings	50	2	Waste dumps	2	3	Roads	2	4	Mineral storage	4	5	Buffer zone	30	6	Infrastructure	2	Total		90
Sl. No.	Particulars	Area in Guntas																								
1	Quarry workings	50																								
2	Waste dumps	2																								
3	Roads	2																								
4	Mineral storage	4																								
5	Buffer zone	30																								
6	Infrastructure	2																								
Total		90																								
18	Method of Mining/ Quarrying	Method of Mining is Semi-Mechanized with Open Cast Method. The mining operation involves drilling, loading and unloading																								
19	Water Requirement																									
	a. Source of water	Bore well is the source of water used in the Quarry and it is borrowed from nearby village. About 4.5 KL/day of water is proposed to be utilized for domestic purposes, sprinkling for dust suppression, Afforestation etc.																								
	b. Total Requirement of Water in KLD	<table border="1"> <tbody> <tr> <td>Dust Suppuration</td> <td>1.5</td> </tr> <tr> <td>Domestic</td> <td>1.5</td> </tr> <tr> <td>Other</td> <td>1.5</td> </tr> <tr> <td>Total</td> <td>4.5</td> </tr> </tbody> </table>	Dust Suppuration	1.5	Domestic	1.5	Other	1.5	Total	4.5																
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Domestic	1.5																									
Other	1.5																									
Total	4.5																									
20	Storm water management plan	-																								

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving building stone mining in Govt., land. This is a old lease for which lease was granted during the year 2008. The proponent has stated he has not carried out any activity from 2008 to till date. The DMG has also issued audit report wherein it is indicated nil production from 2008-09 to 2013-14. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and the project has also been approved by the District Task Force and the lease has been renewed during 2018. As seen from the quarry plan there is a level difference of 6 meters and taking this into consideration committee opined that 65% of the proposed quantity of 1,04,532 cum or 2,71,783 tons can be mined safely and scientifically within the lease period for a quarry pit depth of 15 meters.

As per the extended cluster sketch prepared by the DMG wherein it has been stated four existing leases within the 500 meter radius including this lease combined area of these four leases is 12 Acres 20 guntas and proponent requested to exempt all these leases from the cluster effect for the reason that the leases were granted prior to 9-9-2013.

The proponent has also stated that there is a existing cart track road to a length of 400 meters joining the lease area to all weather black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

As far as CER is concerned the proponent has stated that he has earmarked Rs.4.00 lakhs to take up rejuvenation of Yalesandra lake which is a distance of 1.70 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.48 Proposed Ordinary River Sand Quarry Project at Sy.Nos.126(P), 127, 128, 129, 130, 131, 132, 133, 134, 135, 136 of Ingalagaon Village, Athani Taluk, Belgaum District (12-00 Acres) By Sri Lalsingh Limbu Naik (SEIAA 623 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Lalsingh Limbu Naik No: 10 Orchid, 3 rd Main road 2 nd Cross Road, Muniramanna block Gnaganagara Near MLA Krishnappa House Bangalore, Karnataka		
2	Name & Location of the Project	Ordinary Sand Block No. 01 in 12-00 acres (4.856Ha.) in Krishna River Bed, Sy. No. 126(P),127,128,129,130,131,132,133,134,135,136 of Ingalagaon village, Athani Taluk, Belagam District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 16°39'37.80"	E 74°59'11.40"
		B	N 16°39'32.80"	E 74°59'21.10"
		C	N 16°39'28.90"	E 74°59'25.30"
		D	N 16°39'31.40"	E 74°59'27.40"
		E	N 16°39'35.20"	E 74°59'23.20"
F	N 16°39'40.30"	E 74°59'13.60"		
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	4.856 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	3.0 m		
10	Depth of Sand proposed to be removed in case of River sand	2.0 m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	34,000 Tons/ Annum		
14	Quantity of Topsoil/ Over burden in cubic meter	None		
15	Mineral Waste Handled (Metric	680 Tons/ Annum		

	Tons/ CUM)/ Annum			
16	Project Cost (Rs. In Crores)		0.60	
17	Environmental Sensitivity			
	a.	Nearest Forest	RF. Near Darur Village-3.21 KM SE RF.Near Chikkatti Vilage-9.11 Km E-NE RF.Near Chimney Village-7.10 KM E	
	b.	Nearest Human Habitation	Ingalagoan village-1.5 Km	
	c.	Educational Institutes, Hospital	Athani-8.0 Km	
	d.	Water Bodies	The project lies on Krishna River Agrani River-2.81 Km NW Ainapur Kere-9.41 Km W	
	e.	Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Acres and Guntas			
	a.	Area for Mining/ Quarrying	9-32	
	b.	Waste Dumping Area	-	
	c.	Top Soil Storage Area	-	
	d.	Mineral Storage Area	-	
	e.	Infrastructure Area	-	
	f.	Road Area	0-01	
	g.	Safety zone	2-07	
	h.	Unexplored area	-	
	i.	Others Specify	-	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		-	
22	Water Requirement			
	a.	Source of water	Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	4.05 KLD
			Domestic	0.95 KLD
			Other	
			Total	5.000KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Krishna River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 190 meter and the buffer width of 25 meter has been left on right side and 69 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 526.000 meter MSL and top level of the sand block is 529.000 meter MSL and the depth of the mining proposed being 2.0 meter and bottom of the mining pit will be 1.0 meter above the dry weather flow level. The proponent has stated that he will take up mining in an area of 10085.42 sqmts for a depth of 2.0 meter and mining will be done in the subsequent years only after the full replenishment of the mining pit. As per the quarry plan the proposed quantity of 1,70,000 tons can be mined safely for a plan period of five years and it is also as per the Joint inspection report.

As per the cluster sketch prepared by DMG there are no other quarries within the 500 meter radius from this lease area and this being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has stated that he has proposed a stock yard at a distance of 180 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 180 meters and proceeding further to connect all weather road i.e., Ingalgaon village road at a overall distance of 250 meters.

As far as CER is concerned the proponent has stated that he has earmarked Rs.7.00 lakhs to take up strengthening of river bank by bio mechanical methods.

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 two 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.

232.49 Proposed Ordinary River Sand Quarry Project at Sy.Nos.255, 258, 259, 260, 262, 263, 266, 267 & 309(P) of Nandishwara Village, Athani Taluk, Belagam District (8-00 Acres) By Sir Manappa Tajappa Rathod (SEIAA 624 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Manappa Tajappa Rathod H. No: 496, Near Khanapur court Azad Nagara Halakarani Khanapur (Rural) Belgaum Karnataka		
2	Name & Location of the Project	Ordinary Sand Block No. 01 in 8-00 acres (3.238Ha.) in Krishna River Bed, Sy. No.255, 258,259,260,262,263,266,267 & 309(P) of Nandishwara village, Athani Taluk, Belagam District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 16°32'07.10"	E 75°05'36.30"
		B	N 16°32.05.70"	E 75°05'35.00"
		C	N 16°32.01.50"	E 75°05'39.10"
		D	N 16°31'55.70"	E 75°05'45.50"
		E	N 16°31'53.20"	E 75°05'48.80"
		F	N 16°31'54.50"	E 75°05'50.10"
		G	N 16°31'57.10"	E 75°05'46.80"
H	N 16°32'02.80"	E 75°05'40.40"		
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	3.238 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	3.0 m		
10	Depth of Sand proposed to be removed in case of River sand	2.0 m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than	NA		

	river sand		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	23,000 Tons/ Annum	
14	Quantity of Topsoil/Over burden in cubic meter	None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	469.50 Tons/Annum	
16	Project Cost (Rs. In Crores)	0.40	
17	Environmental Sensitivity		
	a. Nearest Forest	RF. Near Halingoli Village -3.03 Km S-SW RF. Near Satti-4.88 Km NW RF. Near Savadi Village-8.52 Km NE RF. Kulahalli -6.17 E-NE Banhatti RF-7.51 Km SE Terinal RF-6.67 Km S-SW	
	b. Nearest Human Habitation	Nandishwara village-1.5 Km	
	c. Educational Institutes, Hospital	Athani-12.0 Km	
	d. Water Bodies	The project lies on Krishna River	
	e. Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006	None	
19	Details of Land Use in Ha		
	a. Area for Mining/ Quarrying	3,238 Ha.	
	b. Waste Dumping Area	-	
	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	-	
20	Method of Mining/ Quarrying	Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project	-	
22	Water Requirement		
	a. Source of water	Bore well Water	
	b. Total Requirement of Water in KLD	Dust Suppression	3.65 KLD
		Domestic	0.85 KLD
		Other	
		Total	4.50KLD
23	Storm water management plan	Will be carried out.	
24	Any other information specific to the project (Specify)	None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that some discrepancies in river bed level were found for which the proponent has stated that he will come back with proper clarification in this matter. Hence committee decided to defer.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.50 Proposed Building Stone Quarry Project at Sy.No.37 of Belavinakodige Village, Koppa Taluk, Chikkamagaluru District (Q.L.No.501) (1-00 Acre) By Sri J.S. Kaviraju (SEIAA 625 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. J. S. Kaviraju S/o Sri. Shankarappa Gowda Bhuvankote Village Koppa Taluk, Chikkamagaluru District Karnataka		
2	Name & Location of the Project	Building Stone Quarry in 1-00 Acres of Govt. Land bearing Sy. No.37. Belavinakodige Village, Koppa Taluk & Chikkamagaluru District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 13°26'20.0"	E 75°19'50.9"
		B	N 13°26'21.8"	E 75°19'53.4"
		C	N 13°26'19.7"	E 75°19'53.9"
		D	N 13°26'18.9"	E 75°19'52.0"
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification / Renewal	Production Enhancement (Operating QL. No. 501)		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Acres	1-00 acres		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be	NA		

	removed in case of River sand			
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/modification of mining proposals other than river sand		NA	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		14016(Avg.) Tons/ Annum	
14	Quantity of Topsoil/Over burden in cubic meter		None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		738/Annum	
16	Project Cost (Rs. In Crores)		0.12	
17	Environmental Sensitivity			
	a.	Nearest Forest	None with in 100m	
	b.	Nearest Human Habitation	Belavinakodige-0.65 Km	
	c.	Educational Institutes, Hospital	Koppa which is Taluk head quarter-10.30 Km	
	d.	Water Bodies	Sita Nadi-1.1 Km NE Tunga River-1.8 Km NW	
	e.	Other Specify	None	
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Acres-Guutas			
	a.	Proposed working	0-20	
	b.	Proposed road	0-02	
	c.	Proposed Buffer zone	0-18	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		NA	
22	Water Requirement			
	a.	Source of water	Nearby Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	2.15 KLD
			Domestic	0.25KLD
			Other	0.60 KLD
			Total	3.00 KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 232nd meeting held on 19-10-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.51 Proposed Ordinary River Sand Quarry Project in Thunga River Bed - Block No.01 at Adj. Sy.Nos.250, 18 & 249 of Buklapura Village, Thirthahalli Taluk, Shivamogga District (10-00 Acres) By Karnataka Slum Development Board (SELAA 626 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	The Executive Engineer Karnataka Slum Development Board (KSDB) Shivamogga Karnataka		
2	Name & Location of the Project	Ordinary River Sand Block No.01 in Tunga River Bed, 10-00 Acres Adj. Sy. No.250, 18 & 249 of Buklapura village, Thirthahalli Taluk, Shivamogga District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 13°41'32.10"	E 75°15'43.79"
		B	N 13°41'37.94"	E 74°15'44.39"
		C	N 13°41'38.06"	E 74°15'50.61"
4	Type of Mineral	D	N 13°41'32.31"	E 74°49'51.75"
		Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Acres	10-00		
9	Actual Depth of sand in the lease area in case of River sand	2.0 to 3.0 m		
10	Depth of Sand proposed to be removed in case of River sand	0.60m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		

12	Measurements of the existing quarry pits in case of ongoing/ expansion/ modification of mining proposals other than river sand	NA	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	40,644 Tons/ Annum	
14	Quantity of Topsoil/Over burden in cubic meter	None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	411Tons/ Annum	
16	Project Cost (Rs. In Crores)	0.50	
17	Environmental Sensitivity		
	a. Nearest Forest	Yoganasimhapura R.F-3.11 Km W-SW Heggaragudda S.F-4.72 Km E-NE Hadaginamakki S.F-7.71 Km SE Tunga S.F-8.95 Km S-SE Mulabagilu Minor Forest-6.11 Km W-SW Narthur S.F-6.68 Km W-NW	
	b. Nearest Human Habitation	Buklapura Village	
	c. Educational Institutes, Hospital		
	d. Water Bodies	The project lies on Tunga River	
	e. Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006	None	
19	Details of Land Use in Acres		
	a. Area for Mining/ Quarrying	10-00	
	b. Waste Dumping Area	-	
	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	-	
20	Method of Mining/ Quarrying	Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project	-	
22	Water Requirement		
	a. Source of water	Bore well Water	
	b. Total Requirement of Water in KLD	Dust Suppression	2.00 KLD
		Domestic	0.50 KLD
		Other	

		Total	2.50 KLD
23	Storm water management plan	Will be carried out.	
24	Any other information specific to the project (Specify)	None	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 232nd meeting held on 19-10-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.52 Proposed Building Stone Quarry Project at Sy.No.527 of Tabakadahonalli Village, Kalaghatgi Taluk, Dharwad District (6-20 Acres)By Sri Gopalakrishna V Hebbar (SEIAA 628 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Gopalkrishna V Hebbar Halepala Village, Yallapura Taluk, Uttar Kannada District, Karnataka.		
2	Name & Location of the Project	"Building Stone Quarry" of Sri. Gopalkrishna V Hebbar Sy No. 527, Tabakadahonalli Village, Kalaghatgi Taluk, Dharwad District, Karnataka		
3	Co-ordinates of the Project Site	Corner Pillar	Latitude	Longitude
		A	N 15° 7' 26.79"	E 75° 5' 48.67"
		B	N 15° 7' 26.62"	E 75° 5' 53.50"
		C	N 15° 7' 27.78"	E 75° 5' 53.56"
		D	N 15° 7' 31.66"	E 75° 5' 53.76"
		E	N 15° 7' 33.59"	E 75° 5' 52.26"
		F	N 15° 7' 33.72"	E 75° 5' 50.91"
		G	N 15° 7' 33.52"	E 75° 5' 50.93"
		H	N 15° 7' 33.95"	E 75° 5' 48.04"
		I	N 15° 7' 31.91"	E 75° 5' 47.68"
		J	N 15° 7' 29.61"	E 75° 5' 48.26"
		K	N 15° 7' 28.71"	E 75° 5' 48.81"
		WGS-84 DATUM		
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomal,	Patta Land		

	Private/Patta, Other]	
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	2.63Ha
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	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Building Stone Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh land
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	4,00,000 tons per annum for first two years and 2,50,000 tons per annum for last three years
14	Quantity of Topsoil/Over burden in Tons	10,279 Tons
15	Mineral Waste Handled (Metric Tons/ CUM)	16,316Tons/annum
16	Project Cost (Rs. In Crores)	0.84crores
17	Environmental Sensitivity	
	a. Nearest Forest	Reserved Forest - 1.15 (S)
	b. Nearest Human Habitation	Tabakadahonalli - 3.74 kms (NW)
	c. Educational Institutes, Hospital	Kalghatgi - 15.18 kms (NW)
	d. Water Bodies	Parasapur Pond - 2.95 Kms (N) Kamalaapur pond - 2.60 kms (SE)
	e. Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006	--
19	Details of Land Use in Hectares	
	a. Area for Mining/ Quarrying	5-08
	b. Waste Dumping Area	--
	c. Top Soil Storage Area	
	d. Mineral Storage Area	--
	e. Infrastructure Area	
	f. Road Area	0-02
	g. Green Belt Area/ Buffer Zone	1-10

15

	h.	Unexplored area	--								
	i.	Others Specify	--								
20		Method of Mining/ Quarrying	Semi Mechanised Method Open quarrying								
21		Rate of Replenishment in case River sand project	NA								
22		Water Requirement									
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water								
	b.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Dust Suppression</td> <td>9.97 KLD</td> </tr> <tr> <td>Domestic</td> <td>1.26 KLD</td> </tr> <tr> <td>Other</td> <td>0.80 KLD</td> </tr> <tr> <td>Total</td> <td>12.03 KLD</td> </tr> </table>	Dust Suppression	9.97 KLD	Domestic	1.26 KLD	Other	0.80 KLD	Total	12.03 KLD
Dust Suppression	9.97 KLD										
Domestic	1.26 KLD										
Other	0.80 KLD										
Total	12.03 KLD										
23		Storm water management plan	Drains will be constructed along the boundary of activity area								
24		Any other information specific to the project (Specify)	NA								

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving building stone mining in patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and also obtained land conversion order. The lease has been notified on 23-7-2019.

As seen from the quarry plan there is a level difference of 5 meters within the mining area and taking this into consideration the committee opined that 35% of the proposed quantity of 9,49,036 cum or 25,24,435 tons can be mined safely and scientifically to a quarry pit depth of 20 meters for a lease period.

As per the cluster sketch prepared by DMG there are four leases including this lease out of which EC for one lease was issued prior to 15-1-2016 and based on this proponent has requested to exempt this lease from cluster effect. The combined area of balance leases is 11 Acres 30 guntas and which is less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly. The proponent has stated that his lease is located at a distance of 5.63 KMs from the boundary of Notified eco-sensitive zone of Attiveri Bird Sanctuary.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 650 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.18.00 lakhs to take up rejuvenation of Kamalapura Pond which is at a distance of 2.60 KM. from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.53 Proposed Building Stone Quarry Project at Sy.No.27/2 of Ankanahalli Village, Hassan Taluk, Hassan District (2-00 Acres) (Q.L.No.547) By Sri D.R. MAHESH (SEIAA 629 MIN 2019)

Sl. No	PARTICULARS	INFORMATION															
1	Name & Address of the Project Proponent	SRI. D. R. MAHESH S/o H. P. Ravi No. 3, 1st Cross, 2nd Main, CKC Garden, Mission Road, Bangalore-27.															
2	Name & Location of the Project	"Building stone & Murram Quarry" Sy No. 27/2, Ankanahalli village, Hassan Taluk, Hassan District, Karnataka.															
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th>Corner Pillar</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N 12° 57'31.5"</td> <td>E 76° 10'37.9"</td> </tr> <tr> <td>B</td> <td>N 12° 57'34.7"</td> <td>E 76° 10'37.3"</td> </tr> <tr> <td>C</td> <td>N 12° 57'34.0"</td> <td>E 76° 10'34.7"</td> </tr> <tr> <td>D</td> <td>N 12° 57'30.8"</td> <td>E 76° 10'35.4"</td> </tr> </tbody> </table> <p>WGS-84 DATUM</p>	Corner Pillar	Latitude	Longitude	A	N 12° 57'31.5"	E 76° 10'37.9"	B	N 12° 57'34.7"	E 76° 10'37.3"	C	N 12° 57'34.0"	E 76° 10'34.7"	D	N 12° 57'30.8"	E 76° 10'35.4"
Corner Pillar	Latitude	Longitude															
A	N 12° 57'31.5"	E 76° 10'37.9"															
B	N 12° 57'34.7"	E 76° 10'37.3"															
C	N 12° 57'34.0"	E 76° 10'34.7"															
D	N 12° 57'30.8"	E 76° 10'35.4"															
4	Type of Mineral	Building stone & Murram Quarry															
5	New / Expansion / Modification / Renewal	Expansion (QL No: HMG - 547)															

6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Pattaland
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	0.809Ha
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed	It's a Building stone & Murram Quarry
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Building stone & Murram Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Not worked
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	91,737 TPA for first 2 years and 1,00,000 TPA for reamaing 3years and also 10,000 tons of Murram will be excavated in 1st year along with the Building stone.
14	Quantity of Topsoil/Over burden in cubic meter	Not Available
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	10,526TPAfirst 2 years and 5,263 TPA for reamaing 3years
16	Project Cost (Rs. In Crores)	0.73crores
17	Environmental Sensitivity	
	a. Nearest Forest	Burdalbore State Forest-0.68 Kms(N) Hongere State Forest - 3.50 Kms (E)
	b. Nearest Human Habitation	Ankanahalli village - 0.95 kms (E)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Hassan (NW) about 8.15 kms
	d. Water Bodies	Doddaladahalli Pond - 1.59 Kms(NW) Chikkabasavanahalli Pond - 2.96 Kms(NW) Gaddehosahalli Pond - 2.84 (SW)
	e. Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006	

19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	1-13	
	b.	Waste Dumping Area	0-01	
	c.	Mineral Storage Area	0-03	
	d.	Infrastructure Area		
	e.	Top Soil Yard		
	f.	Road Area	0-01	
	g.	Buffer Zone	0-22	
	h.	Unexplored area	--	
	g	Others Specify	--	
20	Method of Mining/ Quarrying		Semi Mechanized Open quarrying excavation	
21	Rate of Replenishment in case River sand project		NA	
22	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	7.3 KLD
			Domestic	1.5 KLD
			Other	1.2 KLD
			Total	10.0 KLD
23	Storm water management plan		<ul style="list-style-type: none"> • Drains will be constructed along the boundary of activity area • Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season 	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 232nd meeting held on 19-10-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

232.54 Proposed Building Stone Quarry Project at Sy.No.81(P) of Yatanoor Village, Jewargi Taluk, Kalaburagi District (2-00 Acres) (Q.L.No.520) By Sri H.P. Madhukar (SEIAA 631 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
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1	Name & Address of the Project Proponent	Sri. H. P. Madhukar S/o H. V. Prahladrao, Class - I Contractor, No. 41, Prashant, Vijayanagar Extension, Hubli - 32 Taluk, Dharwad District, Karnataka.		
2	Name & Location of the Project	"Building stone Quarry" Sy No. 81 (P), Yatanoor Village, Jewargi Taluk, Kalaburagi District, Karnataka.		
3	Co-ordinates of the Project Site	Corner Pillar	Latitude	Longitude
		A	N 17° 03' 04.9"	E 76° 27' 38.3"
		B	N 17° 03' 02.1"	E 76° 27' 38.2"
		C	N 17° 03' 02.1"	E 76° 27' 41.6"
		D	N 17° 03' 04.6"	E 76° 27' 41.6"
WGS-84 DATUM				
4	Type of Mineral	Building stone		
5	New / Expansion / Modification / Renewal	Expansion (QL No: B - 520)		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Pattaland		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	0.809Ha		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed	It's a Building stone Quarry		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Building stone Quarry		

12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh Land	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	50,000 TPA	
14	Quantity of Topsoil/Over burden in cubic meter	2,783 m ³ and 44,517 m ³ of over burden is available.	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	2,632TPA	
16	Project Cost (Rs. In Crores)	0.72crores	
17	Environmental Sensitivity		
	a. Nearest Forest	None within 15kms	
	b. Nearest Human Habitation	Yatanoor Village - 1.13 Kms (W)	
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Jewargi- 32.78 Km (E)	
	d. Water Bodies	Bhima River-6.69Kms(NW) Nedagi Halla - 4.30 Kms (E)	
	e. Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006		
19	Details of Land Use in Acres		
	a. Area for Mining/ Quarrying	1-15	
	b. Waste Dumping Area	0-02	
	c. Mineral Storage Area	0-02	
	d. Infrastructure Area		
	e. Top Soil Yard		
	f. Road Area	0-01	
	g. Buffer Zone	0-20	
	h. Unexplored area	--	
	g. Others Specify	--	
20	Method of Mining/ Quarrying	Semi Mechanized Open quarrying excavation	
21	Rate of Replenishment in case River sand project	NA	
22	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	7.16 KLD
		Domestic	1.57 KLD

		Other	1.27 KLD
		Total	10.0 KLD
23	Storm water management plan	<ul style="list-style-type: none"> • Drains will be constructed along the boundary of activity area • Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season 	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 232nd meeting held on 19-10-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

Action: Secretary, SEAC to put up the proposal before SEAC in subsequent meeting.

With the permission of Chairman:

Deferred subjects:

232.55 Proposed Building Stone Quarry at Sy.No.492/BP1 Harapanahalli Village, Harapanahalli Taluk, Davangere District (2-00 Acres) by Sri. K Basappa(SEIAA 223 MIN 2019)

Sl.No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri K Basappa, S/o K. Ramappa, M. Koraacharahatti Village, Harappanahalli Taluk, DavanagereDist, Karnataka.
2	Name & Location of the Project	"Building stone Quarry" over an extent of 2-00 Acres at Sy No: 492/BP1, Harappanahalli Village, Harappanahalli Taluk, Davanagere District, Karnataka
3	Co-ordinates of the Project Site	Latitude:N14° 44' 53.8" Longitude:E75° 58' 9.7"
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 Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	0.8094 Ha
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	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	"Building Stone Quarry"
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh land
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	82180 Tons/ annum
14	Quantity of Topsoil/Over burden in cubic meter	6070.5 Cu.m of soil produced in the area
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	8384 Tons
16	Project Cost (Rs. In Crores)	3.93 crores
17	Environmental Sensitivity	
	a. Nearest Forest	None within 5 kms
	b. Nearest Human Habitation	Harappanahalli - 5.5kms(E)
	c. Educational Institutes, Hospital	Harappanahalli - 5.5kms(E)
	d. Water Bodies	Hire kerilake- 3.50 Kms (NW) Ayyanakerilake-4.50 Kms (NW)
	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	1.55
	b. Waste Dumping Area	0.05
	c. Top Soil Storage Area	
	d. Mineral Storage Area	0.10
	e. Infrastructure Area	0.05
	f. Road Area	0.05
	g. Green Belt Area/Buffer Zone	0.20

	h.	Unexplored area	--	
	i.	Others Specify	--	
20		Method of Mining/ Quarrying	Semi Mechanised Method Open quarrying	
21		Rate of Replenishment in case River sand project	NA	
22		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	7.5 KLD
			Domestic	0.405 KLD
			Other	1.25 KLD
			Total	9.155 KLD
23		Storm water management plan	Drains will be constructed along the boundary of activity area	
24		Any other information specific to the project (Specify)	NA	

The proposal was placed before the committee for appraisal.

The proponent was invited for the 224th meeting held on 15-6-2019 to provide required clarification. The proponent remained absent without intimation.

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

The proponent attended the 232nd meeting held on 17-10-2019 to provide required information. The committee noted that this is a fresh lease involving Building stone mining in Govt land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease has been notified on 18-2-2019 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is a level difference of 18 meters and taking this into consideration committee opined that 50% of the proposed quantity of 5,66,488 tons or 2,12,965 cum can be mined safely and scientifically within the lease period for a quarry pit depth of 15 meters.

The proponent has also stated that there is a existing cart track road to a length of 290 meters joining the lease area to all weather black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The proponent has also submitted extended cluster sketch prepared by the DMG wherein it has been stated that there are four leases including this lease within the 500 meter radius from this lease and three leases are exempted from cluster effect because of the fact that the lease was granted prior to 9-9-2013. The total area of this lease being

less than the threshold limit of 5 Ha. committee decided to categorise this under B2 category and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.5.00 lakhs to take up rejuvenation of Harapanahalli kere which is a distance of 3.50 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.56 Proposed Building Stone Quarry over an extent 1-10 Acres in Sy.No.170, Bisalvadi Village, Chamarajanagara Taluk & District by Sri. M. Raju and Sri Venkatachala(SEIAA 235 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	1. Sri. M. Raju S/o. Late Muniswamy Bisalavadi Village & Post Chamarajanagara Taluk & District 2. Sri. Venkatachala S/o. VEDI Bisalavadi Village & Post Chamarajanagara Taluk & District Email ID: enviprogroup@gmail.com
2	Name & Location of the Project	Building Stone Quarry in an extent of 1-10 Acres of Govt: Revenue Land bearing Sy. No. 170 of Bisalavadi Village, Chamarajanagara Taluk, District.
3	Co-ordinates of the Project Site	Sri. M. Raju (0-30acre)
		Point No. Latitude Longitude
		A N 11° 47' 58.8" E 76 ° 55' 52.3"
		B N 11° 47' 58.9" E 76 ° 55' 53.6"
		C N 11° 47' 57.4" E 76 ° 55' 53.8"
		D N 11° 47' 57.0" E 76 ° 55' 52.5"
		Sri. Venkatachala(0-20acre)
		Point No. Latitude Longitude
		D N 11° 47' 57.0" E 76 ° 55' 52.5"
		E N 11° 47' 54.0" E 76 ° 55' 52.7"
F N 11° 47' 54.0" E 76 ° 55' 51.4"		
G N 11° 47' 55.5" E 76 ° 55' 51.7"		
H N 11° 47' 55.5" E 76 ° 55' 51.4"		
4	Type of Mineral	Building Stone

5	New / Expansion / Modification / Renewal	Deemed Renewal (QL No. 244 & QL No. 245 w.e.f. 27.10.2010)
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	0.506 Ha.
9	Actual Depth of sand in the lease area in case of River sand	NA
10	Depth of Sand proposed to be removed in case of River sand	NA

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 225th meeting held on 25-6-2019 to provide required clarification. The proponent remained absent without intimation.

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

The proponent and Environment consultant attended the 232nd meeting held on 17-10-2019 to provide clarification and additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. As per the records the leases for two proposal one of 30 guntas and another of 20 guntas were granted during 2004 and the same has been renewed in 2010 and the proponent has stated that he carried out mining from 2004 to 2014. Now the cluster notification for these two leases which are adjacent to each other has been notified by the DMG and according to which they have been exempted from leaving 7.5 meter buffer zone from the common boundary. The quarry plan for the combined area has been approved by DMG for these two leases keeping this point in view and the proponent present requested separate mineable quantity for individual quarry leases.

As per the quarry plan there is a level difference of 12 meters and taking this into consideration and also the fact that he has already mined 44,532 tons or 16,741 cum the committee opined that the total quantity that can be mined further safely and scientifically is 10,913 cum which can be apportioned between the two lease holders in the ratio of their lease area i.e., at 3:2 for the lease period.

The proponent has also submitted extended cluster sketch prepared by the DMG wherein it has been stated that there are no other leases within the 500 meter radius

from these leases and total area this being less than the threshold limit of 5 Ha committee decided to categorise this under B2 category and proceeded with the appraisal accordingly.

The proponent has also stated that there is a existing cart track road to a length of 340 meters joining the lease area to all weather road black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.57 Proposed "Green Granite Quarry" over an extent of 3-04 Acres in part of Sy.No.325/5, Markuli Village, Hassan Taluk, Hassan District by Sri. Krishne Gowda(SEIAA 315 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Krishnegowda W/o H. K. Kumaraswamy, Home No-239, LIG, Housing Board Colony, Kuvempu Nagar, Hassan District, Karnataka
2	Name & Location of the Project	Over an extent of 3-04 Acres under (Government Land) Sy No: 73, Siddapura Village, Belur Taluk, Hassan District, Karnataka
3	Co-ordinates of the Project Site	Latitude: N 12° 56' 28.3" Longitude: E 76° 11' 24.4"
4	Type of Mineral	Hassan Green Granite Quarry
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta Land

7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	1.254 Ha
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	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Green Granite Quarry
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh Area
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	1,000Cu.m per Annum
14	Quantity of Topsoil/Over burden in cubic meter	7,082 Cu.m of topsoil Available
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	2,333 Cu.m per Annum
16	Project Cost (Rs. In Crores)	2.44 crores
17	Environmental Sensitivity	
	a. Nearest Forest	Hagare State Forest - 2.24 Kms(N)
	b. Nearest Human Habitation	Markuli - 1.31 Kms (S)
	c. Educational Institutes, Hospital	Hassan - 10.48 Kms (W)
	d. Water Bodies	Markuli Pond - 0.84 Kms (S) Ambuga Lake - 4.80 kms (NE)
	e. Other Specify	--
18	Applicability of General Condition of the EIA Notification, 2006	
19	Details of Land Use in Acres	
	a. Area for Mining/ Quarrying	1-32
	b. Waste Dumping Area	0-20
	c. Top Soil Storage Area	0-06
	d. Mineral Storage Area	
	e. Infrastructure Area	
	f. Road Area	0-04
	g. Green Belt Area/Buffer Zone	0-22
	h. Unexplored area	--
	i. Others Specify	--

20	Method of Mining/ Quarrying	Semi Mechanised Method Open quarrying
21	Rate of Replenishment in case River sand project	NA
22	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
		Domestic
		Other
		Total
23	Storm water management plan	Drains will be constructed along the boundary of activity area
24	Any other information specific to the project (Specify)	NA

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for the 225th meeting held on 27-6-2019 to provide required clarification. The proponent remained absent without intimation.

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

The proponent and Environment consultant attended the 232nd meeting held on 17-10-2019 to provide required clarification and additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving ornamental stone mining in patta land. The working permission for the same was granted in the year 2006 and it was in the name of H.S Abdul Hafiz sayeed and the proponent has stated that the earlier working permission holder has carried out the mining between 2006-07 to 2013-14 and the quantity mined as per audit report prepared by DMG is 1,317 cum. Subsequent to this the present proponent has purchased this land and he made out this application to obtain environment clearance which is now mandatory for obtaining lease deed.

As per the quarry plan there is a level difference of 10 meters and taking this into consideration and also the fact that he has already mined 1317 cum, the committee opined that 35% of the proposed quantity of 3,59,074 cum can be mined further safely and scientifically for the lease period to a depth of 15 meters.

The proponent has stated that the recovery is 30% i.e., 37,702 cum and the waste is 70% i.e., 87,973 cum for which the proponent has stated that he will handle the waste in the buffer zone of 28 guntas and area left for waste dumping 20 guntas

The proponent has also stated that there is a existing cart track road to a length of 750 meters joining the lease area to all weather road black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

The proponent has also submitted extended cluster sketch prepared by the DMG wherein it has been stated that there are two other leases within the 500 meter radius and two leases are exempted from cluster effect in view of the fact that the lease was granted prior to 9-9-2013 and the balance area being less than the threshold limit of 5 Ha committee decided to categorise this under B2 category and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.10.00 lakhs to take up rejuvenation of Markuli tank which is a distance of 800 meters from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.58 Proposed Building Stone Quarry project at Sy.No.79 of Balagere village, Bangarpete Taluk, Kolar District (4-35 Acres) by Smt Preethi J (SEIAA 541 MIN 2019)

Sl No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Smt Preethi J, No -19, A M Block, Champion Reefs, Kolar Gold Fields, Kolar-563117
2	Name & Location of the Project	"Building Stone Quarry" Sy. No: 79, Balagere Village, Bangarpete Taluk, Kolar District, Karnataka.

3	Co-ordinates of the Project Site	WGS 84 Spherical Coordinates		
		Boundary Points	Latitude	Longitude
		A	12°53'10.6823"N	78°17'57.1910"E
		B	12°53'08.2204"N	78°17'57.9262"E
		C	12°53'05.1068"N	78°17'54.3834"E
		D	12°53'11.2405"N	78°17'51.7643"E
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 Gomala land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	1.97Ha		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to be removed	It's a Building Stone Quarry		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Building Stone Quarry		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh Land		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	1,98,866 Tons/annum		
14	Quantity of Topsoil/Over burden in cubic meter	As per the proposed quarrying programme over five year, no generation of top soil ,however if any small quantity generated it will be stocked & used for afforestation purposes.		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	4,058 TPA		
16	Project Cost (Rs. In Crores)	0.77 crores		
17	Environmental Sensitivity			
	a.	Nearest Forest	None Within 5kms	
	b.	Nearest Human Habitation	Byatharayanahalli-1.1 Km (SW)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in KGF- 8.76 Km (NW)	
	d.	Water Bodies	Dodderi Pond-11.54Kms(W)	
	e.	Other Specify	-	

18	Applicability of General Condition of the EIA Notification, 2006			
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	4.00	
	b.	Waste Dumping Area	0.05	
	c.	Mineral Storage Area	0.10	
	d.	Infrastructure Area	0.05	
	e.	Road Area	0.05	
	f.	Buffer Zone	0.55	
	g.	Unexplored area	-	
	h.	Others Specify	-	
20	Method of Mining/ Quarrying		Semi Mechanized Open quarrying excavation	
21	Rate of Replenishment in case River sand project		NA	
22	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	8.43KLD
			Domestic	1.57 KLD
			Other	1.20 KLD
			Total	11.2 KLD
23	Storm water management plan		<ul style="list-style-type: none"> • Drains will be constructed along the boundary of activity area • Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season 	

The proponent was invited for the 230th meeting held on 13-9-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

The proponent and Environment consultant attended the 232nd meeting held on 18-10-2019 to provide clarification and additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a building stone quarry in Govt. land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease has been notified on 18-2-2019 and also he has stated that the quarry plan has also been got approved from the

DMG. As seen from the quarry plan there is a level difference of 4 meters and taking this into consideration committee opined that 50% of the proposed quantity of 13,46,508 tons or 5,06,206 cum can be mined safely and scientifically and safely within the lease period for a quarry pit depth of 15 meters.

The proponent has also submitted extended cluster sketch prepared by the DMG wherein it has been stated that there are two leases including this lease within the 500 meter radius from this lease and the total area of these leases is 9 Acres 30 guntas and this being less than the threshold limit of 5 Ha. committee decided to categorise this under B2 category and proceeded with the appraisal accordingly.

The proponent has also stated that there is a existing cart track road to a length of 450 meters joining the lease area to all weather road black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

As seen from the records the lease area is 700 meters from the interstate boundary and for which the proponent has stated since the combined area being less than the threshold limit of 25 Ha. requested the committee to categorise the project under B2. Hence the committee after discussion and deliberation decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.15.00 lakhs to take up rejuvenation of Byatrayanahalli kere which is a distance of 1.20 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.59 Proposed Building Stone Quarry Project at Sy.No.79 of Balagere Village, Bangarpete Taluk, Kolar District (4-35 Acres) by Sri. Tamizhvanan (SEIAA 542 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri Tamizhvanan, No -128, P- Block, Champion Reefs, Kolar Gold Fields, Kolar-563117

2	Name & Location of the Project	"Building Stone Quarry" Sy. No: 79, Balagere Village, Bangarpete Taluk, Kolar District, Karnataka.																	
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th rowspan="2">Boundary Points</th> <th colspan="2">WGS 84 Spherical Coordinates</th> </tr> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>12°53'04.9191"N</td> <td>78°18'09.9801"E</td> </tr> <tr> <td>B</td> <td>12°53'00.9095"N</td> <td>78°18'11.1091"E</td> </tr> <tr> <td>C</td> <td>12°53'00.4170"N</td> <td>78°18'05.8112"E</td> </tr> <tr> <td>D</td> <td>12°53'05.2472"N</td> <td>78°18'05.6754"E</td> </tr> </tbody> </table>	Boundary Points	WGS 84 Spherical Coordinates		Latitude	Longitude	A	12°53'04.9191"N	78°18'09.9801"E	B	12°53'00.9095"N	78°18'11.1091"E	C	12°53'00.4170"N	78°18'05.8112"E	D	12°53'05.2472"N	78°18'05.6754"E
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D	12°53'05.2472"N	78°18'05.6754"E																	
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 Gomala land																	
7	Whether the project site fall within ESZ/ESA	No																	
8	Area in Ha	1.97Ha																	
9	Actual Depth of sand in the lease area in case of River sand	NA																	
10	Depth of Sand proposed to be removed	It's a Building Stone Quarry																	
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	It's a Building Stone Quarry																	
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh Land																	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	2,34,181Tons/ annum																	
14	Quantity of Topsoil/Over burden in cubic meter	As per the proposed quarrying programme over five year, no generation of top soil ,however if any small quantity generated it will be stocked & used for afforestation purposes.																	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	4,779 TPA																	
16	Project Cost (Rs. In Crores)	0.77 crores																	
17	Environmental Sensitivity																		
	a. Nearest Forest	None Within 5kms																	
	b. Nearest Human Habitation	Byatharayanahalli-1.1 Km (SW)																	

	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in KGF- 8.76 Km (NW)	
	d.	Water Bodies	Dodderi Pond-11.54Kms(W)	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006			
19	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	4.00	
	b.	Waste Dumping Area	0.05	
	c.	Mineral Storage Area	0.10	
	d.	Infrastructure Area	0.05	
	e.	Road Area	0.05	
	f.	Buffer Zone	0.55	
	g.	Unexplored area	-	
	h.	Others Specify	-	
20	Method of Mining/ Quarrying		Semi Mechanized Open quarrying excavation	
21	Rate of Replenishment in case River sand project		NA	
22	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	8.43KLD
			Domestic	1.57 KLD
			Other	1.20 KLD
			Total	11.20 KLD
23	Storm water management plan		<ul style="list-style-type: none"> • Drains will be constructed along the boundary of activity area • Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season 	

The proponent was invited for the 230th meeting held on 13-9-2019 to provide required clarification. The proponent remained absent without intimation.

Hence, the Committee after discussion decided to provide one more opportunity to proponent with intimation that the proposal will be appraised based on merit, in case he remains absent again and deferred the subject.

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and

clarification/additional information provided during the meeting. The committee noted that this is a building stone quarry in Govt. land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease has been notified on 18-2-2019 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is a level difference of 4 meters and taking this into consideration committee opined that 40% of the proposed quantity of 15,52,636 tons or 5,83,697 cum can be mined safely and scientifically within the lease period for a quarry pit depth of 15 meters.

The proponent has also submitted extended cluster sketch prepared by the DMG wherein it has been stated that there are two leases including this lease within the 500 meter radius from this lease and the total area of these leases is 9 Acres 30 guntas and this being less than the threshold limit of 5 Ha. committee decided to categorise this under B2 category and proceeded with the appraisal accordingly.

The proponent has also stated that there is a existing cart track road to a length of 500 meters joining the lease area to all weather black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

As seen from the records the lease area is 350 meters from the interstate boundary and for which the proponent has stated since the combined area being less than the threshold limit of 25 Ha. requested the committee to categorise the project under B2. Hence the committee after discussion and deliberation decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.12.00 lakhs to take up rejuvenation of Kempapura kere which is a distance of 450 meter from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.60 Proposed Building Stone Quarry Project at Sy.No.41 of Honehalli Kaval Village, Belur Taluk, Hassan District (3-25 Acres) by Sri. Prashanth HLG (SEIAA 459 MIN 2019)

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 18-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving building stone mining in patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and also obtained land conversion order. The lease has been notified on 10-5-2019.

As seen from the quarry plan there is a level difference of 24 meters within the mining area and taking this into consideration the committee opined that 60% of the proposed quantity of 16,59,611 tons or 6,23,913 cum can be mined safely and scientifically to a quarry pit depth of 20 meters for a lease period.

As per the cluster sketch prepared by DMG there are no other leases within the 500 meter radius from this lease area and area being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

As far as approach road is concerned, the proponent has stated that, there is a existing cart track road to a length of 220 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated, that he will earmark Rs.15.00 lakhs to take up rejuvenation of Somashettyhalli pond which is at a distance of 2.10 KM. from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

Reconsideration subjects:

232.61 Proposed Residential Development at Sy.Nos.123, 127 (P) & 128, of Pattandur Agrahara Village, K.R Puram Hobli, Bengaluru East Taluk, Bengaluru by M/s. Prestige Estates Projects Ltd(SEIAA 12 CON 2019)

Sl.	PARTICULARS	INFORMATION
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No.																		
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		Proposed Residential Development At Survey Nos. 123, 127 (P) & 128, Pattandur Agrahara Village, K R Puram Hobli, Bengaluru East Taluk, Bengaluru.															
3	Co-ordinates of the Project Site		Latitude: 12° 58' 54.26" N Longitude: 77° 44' 27.79" E															
4	Environmental Sensitivity																	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	As per the village map, there are nalas crossing the project site for which buffer will be provided as per the BDA RMP 2015. Also there is a Pattandur Agrahara lake in South Western side of the project site for which buffer will be provided as per the BDA RMP 2015.															
	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 is a Pattandur Agrahara lake in South Western side of the project site for which buffer will be provided as per the BDA RMP 2015.															
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	Area Development project															
6	Plot Area (Sqm)		68,571.4 Sqmt (16 Acres 37.6 Guntas)															
7	Built Up area (Sqm)		1,70,752.88 Sqmt															
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]		<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Building</th> <th>Specification</th> </tr> </thead> <tbody> <tr> <td rowspan="2"></td> <td rowspan="2">Block 1</td> <td>Wing - A</td> <td>B+G+23UF</td> </tr> <tr> <td>Wing - B</td> <td>B+G+23UF</td> </tr> <tr> <td rowspan="2"></td> <td rowspan="2">Block 2</td> <td>Wing - A</td> <td>B+G+23UF</td> </tr> <tr> <td>Wing - B</td> <td>B+G+23UF</td> </tr> </tbody> </table>	Sl. No.	Building	Specification		Block 1	Wing - A	B+G+23UF	Wing - B	B+G+23UF		Block 2	Wing - A	B+G+23UF	Wing - B	B+G+23UF
Sl. No.	Building	Specification																
	Block 1	Wing - A	B+G+23UF															
		Wing - B	B+G+23UF															
	Block 2	Wing - A	B+G+23UF															
		Wing - B	B+G+23UF															

		Block 3	B+G+24UF
		Block 4	B+G+24UF
		Block 5	B+G+24UF
9	Number of units in case of Construction Projects	The project comprises of 689 Nos. of residential units and a club house which is sprawled across in 5 Blocks.	
10	Number of Plots in case of Residential Township/ Area Development Projects	NA	
11	Project Cost (Rs. In Crores)	Rs. 272 Crores.	
12	Recreational Area in case of Residential Projects / Townships	--	
13	Details of Land Use (Sqm)		
a.	Ground Coverage Area	7,909.33 Sqmt (11.81%)	
b.	Kharab Land	1,618.73 Sqmt	
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	42,206.62 Sqmt (63.04%)	
d.	Internal Roads	16,442.9 Sqmt	
e.	Paved area	--	
f.	Others Specify	Service Area - 393.85 Sqmt	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	6,695.27 Sqmt	
h.	Total	68,571.40Sqmt	
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	170 m ³	
b.	Total quantity of Excavated earth (in cubic meter)	1,07,345m ³	
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	1,07,345 m ³	
d.	Excess excavated earth (in cubic meter)	--	
e.	Plan for scientific disposal of excess excavated earth	NA	

		along with Coordinate of the site proposed for such disposal	
15	WATER		
	I. Construction Phase		
	a.	Source of water	Labour camp mobile STP Treated Water for construction purpose and External authorized tanker for domestic purpose.
	b.	Quantity of water for Construction in KLD	18 KLD
	c.	Quantity of water for Domestic Purpose in KLD	30 KLD
	d.	Waste water generation in KLD	29 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	The total sewage generated from construction site & labor camp is 29 KLD which will be treated in a mobile STP of capacity 30 KLD; treated sewage will be re-used for Dust Suppression, Gardening & Construction purpose.
	II. Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh 546 KLD
			Recycled 364 KLD
			Total 910 KLD
	b.	Source of water	BWSSB
	c.	Waste water generation in KLD	864 KLD
	d.	STP capacity	875 KLD
	e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR)
	f.	Scheme of disposal of excess treated water if any	For Flushing - 364KLD For Landscaping - 253KLD For Car Washing - 56 KLD To BWSSB Sewer Line - 158 KLD
16	Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	150 Cum
	b.	No's of Ground water recharge pits	43 Nos. of recharge pits
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	24 kg/Day from Construction Site & 24 kg/Day from Labor Camp. Solid waste generated from the labor camp and construction site 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	1.12 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	0.74 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: 1.5l/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 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	3,237 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	750 kVA X 2 Nos., 500 kVA X 3 Nos.,
c.	Details of Fuel used for DG Set	629 l/hr
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Solar lighting & water heaters Cu wound transformer LED Energy Savings: 19%

20 PARKING

a.	Parking Requirement as per norms	Required 1,009 Nos.	Provided 1,123 Nos.			
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Road	Towards	Existing	Modified by adding the generated traffic	Changed scenario-2 after Namma Metro
		ECC Road (Approach Road)	B	B or C	A	
		ITPL Road	K R Puram	C	D	A
			Hope Farm	C	C or D	A
c.	Internal Road width (RoW)	8.0m				

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 216th meeting held on 13th February 2019 to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form-I, IA, Pre-feasibility report and clarification/additional information provided during the meeting.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies. The committee also prescribed the following additional ToRs.

- 1) Details of the Kharab land and its position on the village survey map may be detailed and submitted.
- 2) Ground water potential and level in the study area may be studied.
- 3) Scheme for waste to energy plant to process the entire organic waste generated from the entire project
- 4) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
- 5) Utilization of the entire terrace for solar power generation may be worked out and submitted.
- 6) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
- 7) Rain water harvesting/storage details may be worked out.
- 8) 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.
- 9) To submit the Details of trees existing and proposed to be felled and detailed and the scheme for development of greenery with the number and kind of tree species suitable for the buffer zone and green belt area as per the norms.
- 10) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.
- 11) Carbon footprint to be estimated for construction and operation phase. Suitable offsets to be implemented, quantified and detail calculation to be submitted to try and achieve near zero carbon foot print.
- 12) Prepare and submit environmental sustainability report on the organization and project as per G4 framework.

Accordingly ToRs were issued on 27-3-2019. The proponent has submitted the EIA Report vide letter dated:12-7-2019 and the same was placed before the committee for EIA appraisal.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, IA, Conceptual plan, and clarification/information provided during the meeting. The committee noted that as per the village survey map

there are two small water ponds (Kunte) of 4 guntas each and as per the norms it attracts buffer zone for which the proponent has stated that he will come back with proper clarifications about the ponds.

The committee after discussion and deliberation decided to defer the subject.

The proponent has submitted the replies vide letter dated:9-9-2019. The proponent and Environment consultant attended the 230th meeting held on 13-9-2019 to provide required clarification.

The committee appraised the proposal considering the information provided in the statutory application-Form-I, Conceptual plan, EIA Report and clarification/information provided during the meeting. As seen from the village survey map there is one lake on the western side of the project site for which the proponent has stated that he has left buffer zone as per norms. Two small ponds of 4 guntas each in the western portion of the project site for which the proponent has stated that he has left buffer zone as mandated. In addition to this there are two nalas and for this also the proponent has stated that he has left buffer zone as mandated. The proponent has stated that he could able to do this without altering the general configuration in the concept plan except decreasing some set backs. By this the proponent has stated that he will leave the buffer zone undisturbed taking fire driveway wherever it is overlapping with the buffer zone at the higher level by putting up some columns.

As far as CER is concerned the proponent has earmarked Rs.5.50 crores and agreed to take up rejuvenation of Pattandur agrahara lake which is nearby.

The committee after discussion decided to reconsider after submission of the following information.

- 1) Rainwater storage tanks capacity are to be worked out realistically both for terrace area and hard paved area separately and submit.
- 2) Revise the number of trees proposed based on the mandated norms including the compensatory trees that are to be planted in lieu of the trees felled in the project site.
- 3) Explore the possibility of putting up Biogas plant as the wet waste generated is one ton/day

The proponent has submitted the replies during the meeting. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% 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.

232.62 Proposed IT office Building at Sy.Nos.44(P) 46(P) & 47(P), Electronic City 2nd Phase, Konappana Agrahara Village, Begur Hobli, Bengaluru South Taluk, Bengaluru by M/s. Darshita Housing Private Limited (SEIAA 125 CON 2019)

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Darshita Housing Private Limited, 4 th Floor, Salarpuria Windsor, No.3, Ulsoor Road, Bengaluru - 560 042.
2	Name & Location of the Project	Proposed IT Office Building At Sy. Nos. 44(P), 46(P) & 47(P), Electronic City 2 nd Phase, Konappana Agrahara Village, Begur Hobli, Bengaluru South Taluk, Bengaluru.
3	Co-ordinates of the Project Site	Latitude: 12°51'03.98" N Longitude: 77°40'32.63" E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Konappana Agrahara Lake- 450 m from the project site. Veerasandra Lake- 1.0 km 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.	With reference to this project a nala is running at the boundary of the plot for which required buffer has been provided.
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	IT Office Development
b.	Residential Township/	No

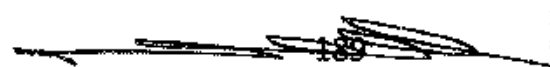
	Area Development Projects	
6	Plot Area (Sqm)	23,253.80 Sqmt (5 Acres 29.87 Guntas)
7	Built Up area (Sqm)	82,984.90Sqmt
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	B+G+13UF
9	Number of units in case of Construction Projects	NA; The project is an IT office development
10	Number of Plots in case of Residential Township/ Area Development Projects	NA; The project is an IT office development
11	Project Cost (Rs. In Crores)	Rs. 251.01Crores
12	Recreational Area in case of Residential Projects / Townships	No
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	10,388.29Sqmt
b.	Kharab Land	117.0Sqmt
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	3,393Sqmt
d.	Internal Roads	4,721Sqmt
e.	Paved area	No
f.	Others Specify	Service Area -1,625.51 Sqmt Pedestrian Pathway - 695Sqmt
g.	Parks and Open space in case of Residential Township/ Area Development Projects	2,314.0Sqmt
h.	Total	23,253.80 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	83 m ³
b.	Total quantity of Excavated earth (in cubic meter)	82,000m ³
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	82,000 m ³
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	NA
15	WATER	
I.	Construction Phase	
a.	Source of water	Water for construction will be sourced from nearby project STP treated water and water for domestic purpose will be sourced from external authorized tankers.
b.	Quantity of water for Construction in KLD	15.5 KLD
c.	Quantity of water for Domestic Purpose in KLD	6.3KLD
d.	Waste water generation in KLD	6.0 KLD
e.	Treatment facility proposed and scheme of disposal of treated water	The sewage generated from the construction site is 6.0 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.

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II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	172KLD
		Recycled	140 KLD
		Total	312 KLD
b.	Source of water	KIADB	
c.	Waste water generation in KLD	300KLD	
d.	STP capacity	325 KLD	
e.	Technology employed for Treatment	Sequential Batch Reactor Technology	
f.	Scheme of disposal of excess treated water if any	For Flushing - 140 KLD For Landscaping - 55 KLD HVAC - 100 KLD Water Cascade - 5 KLD	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	350 Cum	
	No's of Ground water recharge pits	15 Nos.of Recharge pits	
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	63kg/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	501kg/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	752 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: 2.92 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	E-Wastes will be collected separately & it will be handed over to	

	generation waste generation and mode of Disposal as per norms	authorized E-waste recyclers for further processing.				
19	POWER					
a.	Total Power Requirement - Operational Phase	2,999 kVA				
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1,500 kVA X 4Nos.				
c.	Details of Fuel used for DG Set	Diesel is used as fuel for DG and the diesel consumption is 1,257l/hr				
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Solar for External lighting Using timer for external lighting Energy efficient pumps High efficient chillers and VSD in HVAC loads LED lamps for common area Adopting power factor correction The overall energy savings is around 26%.				
20	PARKING					
a.	Parking Requirement as per norms	Required			Provided	
		1,041 Nos.			1,047 Nos.	
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Road	Existing	Modified by adding the generated traffic	Changed Scenario-1 After Widening	Changed scenario-2 after Namma Metro
		Hosa Road	C	D	D	C
		Hosur Road	Hosur (MCW)	C	D	C
	Hosur (SR 2-lanes)		C	C or D	C or D	B
	Bengaluru City (MCW 3-lanes)		D	D	D	C



			Bengaluru City (SR - lanes)	C	D	D	B
c.	Internal Road width (RoW)	8.0m					

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 230th meeting held on 13-9-2019 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. As per the toposheet furnished by the proponent the distance between the project site and the boundary of the Bannerghatta National Park is more than 10 KM and as per the village survey map there is one nala cutting across the project site but the KIADB who have acquired the land and allotted to the proponent have permitted to build the drain along the periphery of the project site and based on this the proponent has reiterated that the natural nala reflected in the village survey map has been converted into road side nala and he has also stated that 25 meter buffer for this road side nala has also been given and he requested for permission to take it under land use left for greenery and open space.

The committee after discussion decided to reconsider after submission of the following information.

- 1) If the project located within 10 KM from Bannerghatta National Park the proponent to submit the NoC from Standing committee of the National Board for Wildlife (SCNBWL)
- 2) Solar panel layout utilizing the entire terrace area may be worked out and submitted.
- 3) Codewise ECBC compliance may be worked out and submitted along with the quantification of eco friendly materials proposed to be used.

The proponent has submitted the replies on 10-10-2019 and the same was placed before the committee for perusal. The committee perused the replies submitted by the proponent and accepted except for the condition that the proponent has to submit the NoC from the standing committee of the National Board for Wildlife (SCNBWL) if the project is located within 10 KMs from the Bannerghatta National park.

Hence, the committee after discussion decided to reconsider after submission of the the NoC from the standing committee of the National Board for Wildlife (SCNBWL) about the distance from the Bannerghatta National park to the project site.

Action: Secretary, SEAC to put up the proposal before SEAC after submission of the above information.

232.63 Proposed Project "Bulk drugs and Intermediates unit at Plot No.123 & 124, KIADB, Industrial Area, Raichur Growth Centre, Raichur Tq and Dist Chicksugar-584134 by M/s. J Y Pharma Pvt Ltd(SEIAA 04 IND 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name and Address of the Project Proponent	Plot No.: 123 & 124, K.I.A.D.B., Industrial Area, Raichur Growth Centre, Raichur Tq. & District, Chicksugar - 584 134, Karnataka.
2	Name and Location of the Project	M/s. JY Pharma Private Limited At Plot No.: 123 & 124, K.I.A.D.B., Industrial Area, Raichur Growth Centre, Raichur Tq. & District, Chicksugar - 584 134, Karnataka.
3	Co-ordinates of the Project Site	Latitude: 16° 18'29.81"N Longitude: 77° 21'18.41"E
4	Environmental Sensitivity	
	a. Distance From nearest Lake/ River/ Nala	Krishna river- 8.4 km (N)
	b. Distance from Protected area notified under wildlife protection act	--
	c. Distance from the interstate boundary	Karnataka-Andhra Pradesh interstate boundary - 8.5Km(SE)
	d. Whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number	Activity 5 (f) of Category-B
6	New/ Expansion/ Modification/ Product mix change	Modification
7	Plot Area (Sqm)	3583 Sqmt
8	Built Up area (Sqm)	
9	Component of developments	"Modification of bulk drugs and intermediates unit"
10	Project cost (Rs. In crores)	Rs.4.5 crores
11	Details of Land Use (Sqm)	
	a. Ground Coverage Area	1083

	b.	Kharab Land	--
	c.	Internal Roads	742
	d.	Paved area	--
	e.	Parking	--
	f.	Green belt	1306
	g.	Others Specify	452
	h.	Total	3583
12	Products and By- Products with quantity (enclose as Annexure if necessary)		Existing products are inorganic in nature which will be stopped and proposed the Bulk drugs and intermediates as listed in the ANNEXURE-1.
13	Raw material with quantity and their source (enclose as Annexure if necessary)		Detailed in feasibility report
14	Mode of transportation of Raw material and storage facility		The chemicals required for the process mostly bought from the local (indigenous) markets. Mode of transportation of all materials to the project site is by road. Liquid chemicals will be stored in tanker yard, Drum yard and the solid chemicals will be in stores
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		Mode of transportation of coal to the project site is by road and will be stored in coal storage yard
16	Fly ash production, storage and disposal details whereas coal is used as fuel		Coal ash from boiler will be stored in designated area and will sent to brick manufacturing industry
17	Complete process flow diagram and technology employed		Detailed in EIA
18	Details of Plant and Machinery with capacity/ Technology used		Coal fired Boiler - 1 X 2 TPH
19	Details of VOC emission and control measures wherever applicable		--
20	WATER		
	I. Construction Phase		
	a.	Source of water	KIADB
	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	0.8 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	Will be treated in existing STP
	II Operational Phase		
	a.	Source of water	KIADB
	b.	Total Requirement of Water in	48.2 KLD

	KLD			
c.	Requirement of water for industrial purpose / production in KLD	Fresh	42.2 KLD	
		Recycled	-	
		Total	42.3 KLD	
d.	Requirement of water for domestic purpose in KLD	Fresh	3 KLD	
		Recycled	-	
		Total	3 KLD	
e.	Waste water generation in KLD	Industrial effluent	29 KLD	
		Domestic sewage	2.50 KLD	
		Total	31.6 KLD	
f.	ETP/ STP capacity	MEE Of 25 KLD capacity with stripper and ATFD		
g.	Technology employed for Treatment	MEE Of 25 KLD capacity with stripper and ATFD		
h.	Scheme of disposal of excess treated water if any	Zero discharge		
21	Infrastructure for Rain water harvesting			
22	Storm water management plan			
23	Air Pollution			
	a.	Sources of Air pollution	Dg set of capacity 125 KVA X 2 , Boiler-1X2TPH	
	b.	Composition of Emissions	-	
	c.	Air pollution control measures proposed and technology employed	Cyclone separator followed by suitable pack of Bag filters	
24	Noise Pollution			
	a.	Sources of Noise pollution	Dg set, motors, compressor	
	b.	Expected levels of Noise pollution in dB	75 dB	
	c.	Noise pollution control measures proposed	Dg set will be installed with inbuilt acoustic enclosures	
25	WASTE MANAGEMENT			
	I.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Organic waste (Process Residue)	281.48 Kg/Day
			MEE Salts	1259.33 Kg/Day
			Inorganic Waste	245.45 Kg/Day
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Description	Quantity
			ETP Sludge	200 Kg/Day
			Used Oils	1.5 KL/ Annum
			Detoxified Containers	600 No's / Month
			Used Lead Acid Batteries	2 No's/ Annum
		Fly ash from boiler	2500.00 Kg/Day	
c.	Quantity of E waste generation	-		

		with source and mode of Disposal as per norms	
26		Risk Assessment and disaster management	Will be provided during EIA submission
27		POWER	
	a.	Total Power Requirement in the Operational Phase with source	Electricity- Source- GESCOM Existing- 160 KVA Proposed- 100 KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Existing- 125 KVA X 1 Proposed- 125 KVA X 1
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Boiler - Coal Dg set - HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as CFL and LED lights are proposed in the project.
28		PARKING	
	a.	Parking Requirement as per norms	--
	b.	Internal Road width (RoW)	Approach road width-18m Internal road width-6m (min)
29		Any other information specific to the project (Specify)	--

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the meeting to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, and clarification/additional information provided during the meeting. The committee noted that the construction has already been taken up based on the CFE issued by KSPCB and CFE covers only inorganic products for which EC was not mandated. The proponent stated that this application has been made out as he is proposing to manufacture synthetic organic products also.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SELAA for issue of standard ToRs to conduct the EIA studies. The committee also prescribed the following additional ToRs.

1. Establish with layout plan the adoption of GMP for manufacturing products supported by P & ID.
2. Based on experimental data, present the material balance / mass balance for each product with quantities of distillate residue, solvent loss and fugitive emissions. Also evaluate and present the ratio of (i) waste to product and (ii) raw material to product for each of the products proposed to be manufactured.

3. Enlist the raw materials with quantity with particular mention of any pyrophoric & highly reactive materials and precautions taken for their storage. Also mention any restricted/banned chemicals, if used in your product manufacture proposal.
4. Provide the solvents storage plan with quantity as per standard norms highlighting any special precautions adopted for storage. The quantity of solvent storage shall be limited such that the red zone during risk assessment is limited within the boundary of the unit.
5. For the worst case scenario, evaluate and present the quantity and characteristics of effluent discharged and their scheme of disposal through ETP
6. Identify and evaluate the steps in the manufacturing of products that may represent risks to personnel or equipment and conduct a detailed investigation and present the hazop study along with risk assessment, disaster management for worst case scenario, all control equipment and mitigation measures adopted, emergency preparedness and onsite emergency plan.
7. Present the scheme proposed for separation of high TDS effluent and its treatment & disposal through MEE used, justifying the stages and design parameters.
8. Present the scheme proposed to isolate the lithium (if used) and other salts from MEE and explore the possibility of their disposal advantageously.
9. Evaluate the hydrogenation process (if adopted) and give a detailed description of the safety measures and precautions taken.
10. Highlight the green chemistry adopted with particular mention of your efforts to replace toxic solvents and reagents such as EDC, MDC, chloroform, butyl lithium, lithium aluminium hydride, sodium borohydride, thionyl chloride, THF etc wherever done and if bromination is done using bromine, better alternatives to bromine as brominating agent.
11. Explore the alternate source of fuel for the boilers instead of coal.
12. Explore the possibility of adoption of nano technology to reduce the volume of organic raw materials.

Accordingly ToRs were issued on 28-5-2019. The proponent has submitted the EIA report on 26-6-2019 and the same was placed before the committee for appraisal.

The proponent and Environment consultant attended the 230th meeting held on 12-9-2019 to present the EIA Report.

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 reconsider after submission of the following information

- 1) To explore and submit the alternative to Toulene.

The proponent has submitted the replies on 26-9-2019. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance.

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

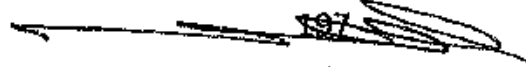
232.64 Proposed Establishment of manufacturing industry for Pharmaceutical Steroidal, Active Pharmaceuticals Ingredients at Plot No.67, KIADB Industrial Area, Vasanthapura, Tumkuru by M/s. Natural Capsules Ltd(SEIAA 02 IND 2019)

Sl No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Sunil Mundra Managing Director, M/s. Natural Capsules Limited Trident Towers, Fourth floor, No-23, 100 feet road, Jayanagar II block Bangalore-560011.
2	Name & Location of the Project	M/s. Natural Capsules Limited Plot No- 67, KIADB Industrial area, Vasanthanarsapura Industrial Area Tumkur-572128 district, Karnataka.
3	Co-ordinates of the Project Site	Project site lays at Longitude 130 29'57.83" N & Latitude 77° 02' 02.11" E and altitude at 1128 feet.
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	Serial no. 5(f) of the schedule i.e., Synthetic organic chemicals industry (dyes & dye intermediates; Bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) and category "B" project.
6	New/ Expansion/ Modification/ Product mix change	New
7	Plot Area (Sqm)	20280 SQM
8	Built Up area (Sqm)	7392 SQM

9	Component of developments	Pharmaceutical steroids and API's, Intermediates manufacturing industry and supporting infrastructures.	
10	Project cost (Rs. In crores)	Rs. 36.57 Crores	
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	20280 SQM
	b.	Kharab Land	-
	c.	Internal Roads	Shown in layout plan drawing
	d.	Paved area	4766 SQM (including internal road)
	e.	Parking	Provided inside factory premises
	f.	Green belt	6692.4SQM
	g.	Others Specify	-
	h.	Total	20280 SQM
12	Products and By- Products with quantity (enclose as Annexure if necessary)	Proposed products is enclosed as Annexure.	

Annexure
Products propose to be manufactured

Sl. No.	Product	Quantity Kg/Month
1	Betamethasone	1250
2	Dexamethasone	500
3	Betamethasone Dipropionate	100
4	Betamethasone Acetate	50
5	Betamethasone Valerate	100
6	Beclomethasone Dipropionate	100
7	Betamethasone sodium phosphate	100
8	Dexamethasone sodium phosphate	100
9	Dexamethasone Acetate	50
10	Budesonide	100
11	Deflazacort	200
12	Clobetasole propionate	200
13	Flumethasone	100
14	Fluticasone Propionate	20
15	Halobetasole propionate	20
16	Hydrocortisone	500
17	Methyl prednisolone	100
18	Methyl prednisolone acetate	20
19	Mometasone Furoate	100
20	Prednisolone sodium phosphate	100
21	Triamcinolone	50
22	Triamcinolone Acetonide	100
23	Triamcinolone Hexacetonide	10
24	Prednisolone Acetate	100
25	Calcitriol (Vitamin-D)	0.01



	26	Methyl cobalamin (Vitamin-B12)	100
	27	9-Hydroxy 4 androstene 3,17 dione(9OHAD)	2000
	28	4 androstene 3,17 dione(4AD)	1000
	29	1,4 androstene 3,17 dione(ADD)	1000
	30	11 hydroxy 4 androstene 3,17dione(11 OH AD)	1000
	31	11 hydroxy 1,4androstene 3,17dione(11 OH ADD)	1000
	32	Prednisolone	500
	33	Prednisolone Acetate(fermetation)	100
	34	Sitolactone	100
	35	6-Methyl prednisolone	100
	36	6-Methyl 1,4 androstane 3,17 dione	100
	37	Ethisterone	1000
	38	16 alfa methyl epoxide(8DM)	150
	39	16 betamethylepoxide(DB-11)	150
	40	3 Tetrane acetate(3TR)	250
	41	16-alfa hydroxy prednisolone(16HPN)	150
	42	5TR	150
	43	19-Nor-4-Androsterodione	150
		Total	13070.01
13	Raw material with quantity and their source (encloses as Annexure if necessary)		The raw materials required and their quantities are detailed in PFR report chapter 3, section 3.6
14	Mode of transportation of Raw material and storage facility		Detailed in PFR report in chapter 3, section 3.6
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		Process description of individual products and process flow diagram, raw material consumption detailed in PFR.
18	Details of Plant and Machinery with capacity/ Technology used		Detailed in PFR
19	Details of VOC emission and control measures wherever applicable		Detailed in PFR, chapter 3, section 3.11
20	WATER		
	I.	Construction Phase	
	a.	Source of water	Water requirement is met from KIADB supply/Borewell
	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	Water requirement is met from KIADB supply/ Borewell water	
b.	Total Requirement of Water in KLD	Fresh	114.5 KLD
		Recycled	-
		Total	114.5KLD
c.	Requirement of water for industrial purpose / production in KLD	Fresh	93 KLD
		Recycled	-
		Total	93 KLD
d.	Requirement of water for domestic purpose in KLD	Fresh	15 KLD
		Recycled	-
		Total	15 KLD
e.	Waste water generation in KLD	Industrial effluent	53.5KLD
		Domestic sewage	12KLD
		Total	65.5KLD
f.	ETP/ STP capacity	<p>Effluents will be segregated into HTDS and LTDS.</p> <p>HTDS effluents will be treated in ETP consisting of solvent stripper, MEE followed by ATFD. Condensate will be reused for utilities makeup after treating along with LTDS effluents and sewage in biological treatment plant followed by RO and Ultrafiltration.</p> <p>RO permeate will be recycled and rejects will be taken to MEE. The effluent treatment facility is based on Zero Liquid Discharge concept.</p>	
g.	Technology employed for Treatment	Zero Liquid Discharge	
h.	Scheme of disposal of excess treated water if any	Cooling tower makeup/ excess will be used for greenbelt development.	
21	Infrastructure for Rain water harvesting		-
22	Storm water management plan		-
23	Air Pollution		-
	a.	Sources of Air pollution	Detailed in PFR chapter 3, section 3.11
	b.	Composition of Emissions	SO ₂ , NO _x , Particulate Matters
	c.	Air pollution control measures proposed and technology employed	Detailed in PFR chapter 3, section 3.11
24	Noise Pollution		
	a.	Sources of Noise pollution	Detailed in PFR, chapter 3, section 3.12

	b.	Expected levels of Noise pollution in dB	Within the limits KSPCB prescribed for industrial area.		
	c.	Noise pollution control measures proposed	Detailed in PFR, chapter 3, section 3.12		
25	WASTE MANAGEMENT				
	I.	Operational Phase			
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable	Solid Waste: Office waste like paper etc. is expected. Plastic drums and bags will be sold to KSPCB authorized recycler.	
			Non- Biodegradable		
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Detailed in PFR, chapter 3, section 3.10		
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	-		
26	Risk Assessment and disaster management		-		
27	POWER				
	a.	Total Power Requirement in the Operational Phase with source	Source: BESCO Power requirement: 1600 KVA		
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Three DG sets of 500 KVA will be provided as a power backup.		
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Sources	Capacity	fuel
			DG sets	500 KVA - 3Nos.	HSD
			Boiler (Briquette fuel)	10 TPH x 1 No. 0.5 TPH x 2 Nos	Briquette
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	-		
28	PARKING				
	a.	Parking Requirement as per norms	Provided as per standard		
	b.	Internal Road width (RoW)	Detailed in Plant layout plan.		
29	Any other information specific to the project (Specify)				

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the meeting to present the ToRs. The committee screened the proposal considering the information provided in the

statutory application-Form I, Pre-feasibility report and clarification/additional information provided during the meeting.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies. The committee also prescribed the following additional ToRs.

- 1) Water allocation for the industry from forth coming Yethinahole and upper bhadra projects may be ascertained and furnished.
- 2) Justification for putting up pharmaceutical unit in food parks or in the surrounding areas may be detailed with reference to the permissions obtained from the concerned authorities.
- 3) Measures taken to protect nalas and nearby water bodies in the vicinity of the project site may be detailed if no measures are taken the proposed measures may be detailed and submitted.
- 4) Justification for manufacturing of intermediate products may be detailed.
- 5) Good laboratory practices, good pharmaceuticals practices and good engineering practices may be detailed.
- 6) Feasibility for the fuel source for boilers such as CNG which is available nearby may be studied and submitted.
- 7) Detailed workings and layout plan for renewable energy harnessing at site using high efficiency solar panels from roof top may be detailed and submitted.
- 8) Location of solvent storage facilities is to be located nearer to the approach road this possibility may be studied and submitted.
- 9) Establish with layout plan the adoption of GMP for manufacturing your products supported by P & ID.
- 10) Based on experimental data, present the material balance / mass balance for each product with quantities of distillate residue, solvent loss and fugitive emissions. Also evaluate and present the ratio of (i) waste to product and (ii) raw material to product for each of the products proposed to be manufactured.
- 11) Enlist the raw materials with quantity with particular mention of any pyrophoric & highly reactive materials and precautions taken for their storage. Also mention any restricted/banned chemicals, if used in your product manufacture proposal.
- 12) Provide the solvents storage plan with quantity as per standard norms highlighting any special precautions adopted for storage.
- 13) Evaluate and present the quantity and quality of solid and gaseous waste generated and their scheme of disposal.
- 14) For the worst case scenario, evaluate and present the quantity and characteristics of effluent discharged and their scheme of disposal through ETP
- 15) Describe the measures proposed for in-house recovery of solvents mentioning the efficiency of recovery to minimum 95% for all the chemicals.

- 16) Identify and evaluate the steps in the manufacturing of your products that may represent risks to personnel or equipment and conduct a detailed investigation and present the hazop study along with risk assessment, disaster management for worst case scenario, all control equipment and mitigation measures adopted, emergency preparedness and onsite emergency plan.
- 17) Present the scheme proposed for separation of high TDS effluent and its treatment & disposal through MEE used, justifying the stages and design parameters.
- 18) Evaluate the hydrogenation process (if adopted) and give a detailed description of the safety measures and precautions taken.
- 19) Highlight the green chemistry adopted with particular mention of your efforts to replace toxic solvents and reagents such as EDC, MDC, chloroform, butyl lithium, lithium aluminium hydride, sodium borohydride, thionyl chloride, THF etc wherever done and if bromination is done using bromine, better alternatives to bromine as brominating agent.
- 20) Special precautions adopted for the manufacture of steroid drugs may be detailed.
- 21) Prepare and submit environmental sustainability report on the organisation as per G4 framework.

Accordingly ToRs were issued on 27-3-2019 and the same was placed before the committee for appraisal.

The proponent and Environment consultant attended the 231st meeting held on 27-9-2019 for EIA presentation.

The committee after discussion decided to reconsider after submission of the following information.

- 1) Revise the activities under CER focusing mainly on immediately affected water bodies of the nearest village.
- 2) Resubmit the list of fauna if there are any Schedule-I species, prepare and submit biodiversity action plan.
- 3) To explore and submit the alternative to the phyrophoric substances used in the process.

The proponent has submitted the replies on 14-10-2019. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance:

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

232.65 Proposed Residential Apartment Project at Sy.No.20/1 of Arabikottanoor Village, Vakkaleri Hobli, Kolar Taluk, Kolar District by M/s. Felicity Adobe LLP(SEIAA 127 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1	Name & address of the project proponent	MrSathishKoshy- Authorized Signatory, M/s Felicity Adobe LLP(Formely knows as tumukurnivas LLP), #5AC-712.4th floor 5th A Cross, HRBR layout,1 st Block,Kalyana Nagar, Bangalore-560043.
2	Name & location of the project	Proposed Residential Apartment Project with club house, "Proposed 516 Units Of Low Cost Flats" Located in Sy No 20/1 Arabikottanoor Vakkaleri Hobli, Kolar Taluk, Kolar District, Karnataka.
3	Co - ordinates of the project site	Latitude: 13°07'35.3"N Longitude: 78°02'40.7"E
4	Environmental sensitivity	
	a. Distance from periphery of the nearest lake and other water bodies (lake, rajakaluve, nala, etc.,)	The proposed project site is within the NGT Norms: Nearest lake to the project site is Narsapurlake: at a distance of 11km from the project site as per the village map.
	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	NA
5	Type of development	
	a. New/ Expansion/Modification	New Project.
	b. Residential apartment / Villas/ Row houses/ Vertical development / Office/ IT /ITES/ Mall/ Hotel/ Hospital/ other	"Proposed Residential Apartmentwith Club house"
	c. Residential township / Area development projects	--
6	Plot area (Sqmt)	Total Site area: 11,774.13 sq.mt Net site area: 9,863.38 sq.mt.
7	Built up area (Sqmt)	Total: 32,331.52 sq.mt.
8	Building configuration (number of blocks/ towers/ wings etc., with numbers of basement and upper floor)	<u>Existing:</u> Phase1 Block - C 129 Units of 2BHK. (GF+12UF). Phase 2 Block - B 129 Units of 2BHK. (GF+12UF).

		Phase 3 Block - A 129 Units of 2BHK. (GF+12UF). Phase 4 Block - D 129 Units of 2BHK. (GF+12UF). Clubhouse:GF	
9	Number of units in case of construction projects	Total: 516 units with club house.	
10	Number of plots in case of Residential township / Area development projects	--	
11	Project cost (Rs. In Crores)	Total: Rs. 28.57 Crores	
12	Residential area in case of residential projects/ townships	--	
13	Details of land use (Sqmt)		
	A	Total site area of the project	11774.13 sq.mt.
	a	Road Widening	1910.75 sq.mt.
	b.	Kharab land	--
	c.	Ground coverage area	2487.04sq.mt.
	d.	Total green belt on mother earth for projects under 8(a) of the schedule of the EIA notification, 2006	2527.54 sq.mt.
	e.	Internal roads	2745.05 sq.mt.
	f.	Paved area	--
	g.	Other specify	--
	h.	Parks & open space in case of residential township/ area development projects	--
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	2500 cum
	c.	Quantity of excavated earth propose to be used in the project site (in cubic meter)	2500 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 and village Panchayat.
	b.	Quantity of water for construction in KLD	10 KLD
	c.	Quantity of water for domestic purpose in KLD	2.25 KLD

	d.	Wastewater generation in KLD	1.8 KLD
	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 handover to authorized vendors.
	II.	Operation phase	
	a.	Total requirement of water in KLD	361KLD
	b.	Source of water	Arabikottanoor village Panchayat
	c.	Waste water generation in KLD	289 KLD
	d.	STP capacity	320KLD
	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 run off	50 cum roof top water collection sump
	b.	No's of ground water recharge pits	Total number of deep recharge pits proposed: 15 Nos. 1.2m Dia & 3 m Depth.
17		Storm water management plan	Total 50 m ³ roof rainwater collection sump and 15 Nos. of deep recharge pits will be provided all along the storm water drain. Excess runoff will be routed to the external storm water drain.
18		WASTE MANAGEMENT	
	I.	Construction phase	
	a.	Quantity of solid waste generation and mode disposal as per norms	Total solid waste generation will be 5kg/day; which will be disposed by contractor.
	II.	Operational phase	
	a.	Quantity of biodegradable waste generation and mode of disposal as per norms	738kg / day; which will be processed in proposed organic waste converter.
	b.	Quantity of non-biodegradable waste generation and mode of disposal as per norms	492kg/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	1500 KVA.
	b.	Numbers of DG set and capacity in KVA for standby power supply	320 KVA x 1 Nos.

	c.	Details of fuel used for DG set	57.7liters/hr of diesel
	d.	Energy conservation plan and percentage of savings including plan for utilization of solar energy a per ECBC 2007	Total energy savings will be 20 %.
20	PARKING		
	a.	Parking requirement as per norms	Car parking required: 142 cars Car parking provided: 153 cars
	b.	Level of service (LOS) of the connecting roads as per the traffic study report	Bangalore Chennai Highway towards Hoskoteroad: LOS B TowardsKolarRoad: LOS B
	c.	Internal road width (RoW)	Internal driveway within the project site: 8 m wide Approach road width: Bangalore Chennai Highway (24m Wide-)
21	Any other information specific to the project (specify)		--

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 230th meeting held on 13-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form-I, Conceptual plan and clarification/information provided during the meeting. As per the village survey map there are no water bodies either in the form of lake or natural nalas which attracts buffer as per norms. The proponent has stated this is a proposal to build affordable housing under PMAY.

The committee after discussion decided to reconsider after submission of the following information.

- 1) Water and sewage treatment has to be reworked limiting the freshwater demand to 55 LPCD as per the Rural water supply norms.
- 2) Ground water potential studies are to be carried out and submitted along with the treatment scheme if needed.
- 3) Compliance to the codewise ECBC norms along with the quantification of eco friendly material used in the construction.

The proponent has submitted the replies during the 232nd meeting. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% 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.

232.66 Proposed Modification and Expansion of residential Apartment" project at Sy.No.159/1, 159/2, 160/1, 167/1, 167/2, 167/3, 167/4, 168, 169/1, 169/2, 169/3, 169/4 & 171 of Kannamangala Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru District by M/s. Assetz Whitefield Homes Pvt Ltd(SEIAA 30 CON 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Ananddeep K Chadha Chief Financial controller M/s. Assetz Whitefield Homes Pvt Ltd. 2nd floor, Embassy Icon Annexe Infantry Road, Bengaluru - 56001
2	Name & Location of the Project	Modification and expansion of residential apartment At Survey Nos.159/1, 159/2, 160/1, 167/1, 167/2, 167/3,167/4, 168, 169/1, 169/2, 169/3, 169/4 & 171 of Kannamangala Village, Bidarahalli Hobli, Bengaluru east taluk,, Bengaluru District.
3	Co-ordinates of the Project Site	Latitude: 13°01'28.63" N Longitude: 77°45'51.32"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Kunte in NE direction - 75 m buffer as been left. Tertiary nala at SE direction - 25 meter buffer 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.	Not Applicable
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Modification and expansion of residential apartment
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	1,14,526.04 Sqmt (28 Acres, 1.60Guntas)

7	Built Up area (Sqmt)	4,38,971.66 Sqmt		
8	Building Configuration [Number of Blocks/Towers/Wingsetc. with Numbers of Basements and Upper Floors]	Building-1	Units	Height (m)
		Tower-1/Wing 1- 2B+G+13F	547 units	43.60 m
		Tower-2/Wing 2- 2B+G+9F		31.80 m
		Tower-3/Wing 3-2B+G+26F		81.95 m
		Tower-4/Wing 4- 2B+G+8F		28.85 m
		Club- G+2F		10.80 m
		Proposed building:		
		Building-2		
		Tower-5/Wing 5 - B+G+28F		25.05 m
		Club- G+1F		8.9 m
		Building-3	1380 units	
		Tower-6/Wing 6- B+G+28F		89.05 m
		Club- B+GF		9.70 m
		Building-4		
		Tower-7/Wing 7- B+G+29F		91.05 m
		Tower-8/Wing 8- B+G+29F		91.05 m
Commercial building 3B+G+15F		58 m		
School- GF+3F		14.95 m		
9	Number of units in case of Construction Projects	1927 units		
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable		
11	Project Cost (Rs. In Crores)	Proposed - 870 Crores		
12	Recreational Area in case of Residential Projects / Townships	Not Applicable		
13	Details of Land Use (Sqmt)			
a.	Ground Coverage Area	20672.83 Sqmt		
b.	Kharab Land	--		
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	Landscape area (earth)	25046.62 Sqmt	
		Landscape area (Podium)	13297.52 Sqmt	
d.	Internal Roads			
e.	Paved area	--		

f.	Others Specify	--	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	11365 Sqmt	
h.	Total	1,14,526.04 Sqmt (28 Acres, 1.60Guntas)	
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 since it is new project	
b.	Total quantity of Excavated earth (in cubic meter)	2,84,550 Cum	
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	2,84,550 Cum completely utilised within the project site	
d.	Excess excavated earth (in cubic meter)	There is no excess excavated earth	
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Backfilling, foundation, road area and for gardening	
15	WATER		
I.	Construction Phase		
a.	Source of water	STP treated water for construction purpose & Tanker water for domestic	
b.	Quantity of water for Construction in KLD	45 KLD	
c.	Quantity of water for Domestic Purpose in KLD	14 KLD	
d.	Waste water generation in KLD	12 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	will be treated in mobile STP	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	1277 KLD
		Recycled	698 KLD
		Total	1975 KLD

b.	Source of water	Grampanchayath/ Borewell
c.	Waste water generation in KLD	1777 KLD
d.	STP capacity	1780 KLD
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology
f.	Scheme of disposal of excess treated water if any	805 KLD
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	320 cum
b.	No's of Ground water recharge pits	43 no's
17	Storm water management plan	<ul style="list-style-type: none"> • Land is gently sloping terrain and sloping towards South direction. • Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn & roads. • Rainwater collection tank of capacity 320cum is proposed which will be provided to collect the roof run off, which will be reused after prior treatment. • 43 number of recharge pits will be provided to recharge the ground water within the site; excess runoff during the monsoon period finds its way to external storm water drain
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	Quantity - 98 kg/day Solid waste will be collected manually and handed over to local body for further processing
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	Quantity - 2.91 Kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 98 kg/day will be reused as manure for greenery development purposes.
b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	Quantity - 4.35tonnes/day Recyclable waste will be given to the waste collectors for recycling for further processing.

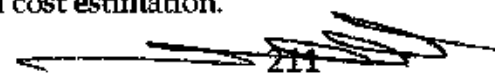
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste oil generated from the DG sets will be collected in leak proof barrels and handed over to the authorized waste oil recyclers.
d.	Quantity of E waste generation and mode of Disposal as per norms	E-Wastes will be collected & stored in bins and disposed to the authorized & approved KSPCB E-waste processors.
19	POWER	
a.	Total Power Requirement - Operational Phase	BESCOM - 18,693 kW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1X2500KVA, 3X2000KVA, 8X750KVA, 2X500KVA, 1X320KVA, 1X100KVA
c.	Details of Fuel used for DG Set	
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as Solar energy, LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 23.76%
20	PARKING	
a.	Parking Requirement as per norms	Required = 3221 no's, Provided = 3321 no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	--
c.	Internal Road width (RoW)	Approach road width - 24.7 m Internal road width is - 8.12 m

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 220th meeting held on 9-4-2019 to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form I, Conceptual plan and clarification/additional information provided during the meeting.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies. The committee also prescribed the following additional ToRs.

- 1) Details of the Kharab land and its position on the village survey map may be detailed and submitted.
- 2) Ground water potential and level in the study area may be studied.
- 3) Scheme for waste to energy plant to process the entire organic waste generated from the entire project.
- 4) Management plan to utilise the entire earth generated within the site may be worked out and submitted..
- 5) Utilization of the entire terrace for solar power generation may be worked out and submitted along with layout, efficiency of panels, and cost estimation.


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- 6) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
- 7) 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.
- 8) To submit the Details of trees to be felled and the scheme for development of greenery with the number and kind of tree species as per the norms.
- 9) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.
- 10) ECBC norms to be fully complied with for design and choice of equipments. Simulation modeling studies to be conducted and quantify the energy savings. Indicate the energy utilization intensity $=(\text{total KHW}/\text{year})/\text{BUA}$, bench mark this value for similar commercial buildings.
- 11) Carbon footprint to be estimated for construction and operation phase. Suitable offsets to be implemented, quantified and detail calculation to be submitted to try and achieve near zero carbon foot print.
- 12) Traffic simulation studies to be conducted for present and projected traffic densities along with transportation study for construction phase. Traffic plan to be prepared in order to reduce vehicular emissions and project the vehicular emissions through linear air modeling.
- 13) Provide baseline studies of indoor air quality at each floor level and basement of other commercial buildings developed by the proponent. Detail the measures to monitor indoor air quality during operation phase.
- 14) The NOC from the Airport authority regarding the height of the building permitted may be obtained and submitted.
- 15) Ground Water analysis shall be conducted for heavy metal parameters such as Mercury, Lead, Cadmium, & Uranium also.

Accordingly the ToRs were issued vide letter dated: 28-5-2019.

The proponent has submitted the EIA report vide letter dated: 6-7-2019.

The proposal is therefore placed before the committee for EIA appraisal.

The proponent was invited for EIA appraisal. The proponent remained absent and submitted a letter during the meeting requesting to consider their subject in forth coming meeting.

Hence the committee decided to defer the appraisal.

The proponent was invited for the 229th meeting held on 27-8-2019 for EIA appraisal.

The proponent and environmental consultant attended the meeting of SEAC to provide required clarification/additional information. The committee noted that this proposal is for extension of this project for which EC was issued earlier on 5-3-2018 with a land area of 1,14,526.04 sqmts and BUA of 1,28,605.46 sqmts which itself was a revised EC wherein total BUA envisaged for 1,15,624 sqmts. Now, as far as the land area is concerned the proponent has stated as against the land area of 1,14,526.04 sqmts



reflected in the concept plan actual area in possession of the proponent is 1,13,473.85 sqmts. Further proponent has stated that he has relinquished an area of 1959 sqmts for the road widening and the total B-kharab land being 14 guntas i.e., 1,416 sqmts. In the earlier concept plan 5 wings of buildings were proposed out of which 4 wings are complete in all respects and occupied. The work in the 5th wing is under progress and it has come up to 1st floor. Now this proposal is for adding up 3 new wings and modification in the 5th wing. In addition to this the proposal includes clubhouse, commercial building and school building. For the modification of 5th wing the proponent has stated that he has obtained structural stability certificate for vertical expansion from B+G+7UF to B+G+28UF. The SEAC felt that this is a huge vertical expansion and the structural stability certificate has to be got vetted from 3rd party structural design consultant.

The committee after discussion decided to reconsider after submission of the following information.

- 1) Separate Roof rainwater and hard surface rain water yield has to be worked out and provision for storage has to be detailed realistically and submitted.
- 2) Revise the list of tree species to be planted with design has to be worked out and submitted.
- 3) Structural stability aspect has to be got vetted from the reputed 3rd party consultant and the entire design details are to be shared.

The proponent has submitted the replies on 26-9-2019. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% 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.

232.67 Proposed Residential Apartment Project at Sy.Nos.25/5&12/11 of Geddalahalli Village & Thanisandra Village, K.R.Puram Hobli, Bangalore East Taluk, Bangalore Urban District By M/s. Casa Grande Garden City Builders Pvt. Ltd. (SEIAA 118 CON 2019)

Sl. No.	PARTICULARS	INFORMATION
1	Name & address of the project proponent	Mr. Sathish C G Director M/s Casa Grande Garden City

		Builders Pvt Ltd. Salma Biz House, No.34/1, 3 rd Floor, T-1 & T-2, Meanee Avenue Road, Opposite to Lakeside Hospital, Ulsoor Road, Near Ulsoor Lake, Bangalore-560042.
2	Name & location of the project	Proposed Residential Apartment, Sy nos. 25/5 & 12/11, Geddalahalli Village & Thanisandra Village, K.R.PuramHobli, Bangalore East Taluk.
3	Co - ordinates of the project site	Latitude: 13.048666 N Longitude: 77.638822 E
4	Environmental sensitivity	
	a. Distance from periphery of the nearest lake and other water bodies (lake, rajakaluve, nala, etc.,)	The proposed project site is within the NGT Norms: Nearest lake to the project site is Kalkerelake at a distance of 4.7 km from the project site as per the village map.
	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	NA
5	Type of development	
	a. New/ Expansion/Modification	New
	b. Residential apartment /Villas/ Row houses/ Vertical development / Office/ IT /ITES/ Mall/ Hotel/ Hospital/ other	"Proposed Residential ApartmentBuilding"
	c. Residential township / Area development projects	--
6	Plot area (Sqmt)	21,667.07 sq.mt.
7	Built up area (Sqmt)	61,687.78 sq.mt
8	Building configuration (number of blocks/ towers/ wings etc., with numbers of basement and upper floor)	Residential Apartment: Wing A & B : 2BF+GF+4UF Wing C & D : 1BF+GF+4UF Club House: GF+3UF.
9	Number of units in case of construction projects	Total: 498 units
10	Number of plots in case of Residential township / Area development projects	--
11	Project cost (Rs. In Crores)	Total : Rs69.02Crore
12	Residential area in case of residential projects/ townships	--

13	Details of land use (Sqmt)		
	A	Total site area of the project	21,667.07 Sq.mt
	a	Road Widening	--
	b.	Kharab land	--
	c.	Ground coverage area	8720.05sq.mt
	d.	Total green belt on mother earth for projects under 8(a) of the schedule of the EIA notification, 2006	6879.78sq.mt
	e.	Internal roads	--
	f.	Paved area	1931.5 Sq.mt
	g.	Other specify	
	h.	Parks & open space in case of residential township/ area development projects	--
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	52,471 cum
	c.	Quantity of excavated earth propose to be used in the project site (in cubic meter)	52,471cum
	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& Treated water from BWSSB STP
	b.	Quantity of water for construction in KLD	20 KLD
	c.	Quantity of water for domestic purpose in KLD	03 KLD
	d.	Wastewater generation in KLD	2.4 KLD
	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 for treatment.
	II.	Operation phase	
	a.	Total requirement of water in KLD	363KLD
	b.	Source of water	BWSSB
	c.	Waste water generation in KLD	290 KLD
	d.	STP capacity	355 KLD
	e.	Technology employed for treatment	SBR

	f.	Scheme of disposal of excess treated water if any	--
16		Infrastructure for rain water harvesting	
	a.	Capacity of sump tank to store the roof run off	175cum roof top water collection sump
	b.	No's of ground water recharge pits	Total number of deep recharge pits proposed: 47 Nos. 1.2m Dia& 3 m Depth.
17		Storm water management plan	Total 175m ³ roof rainwater collection sump and 47 No's of deep recharge pits will be provided all along the storm water drain. Excess runoff will be routed to the external storm water drain.
18		WASTE MANAGEMENT	
	I.	Construction phase	
	a.	Quantity of solid waste generation and mode disposal as per norms	Total solid waste generation will be 6 kg/day; which will be disposed by contractor
	II	Operational phase	
	a.	Quantity of biodegradable waste generation and mode of disposal as per norms	730 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	486kg/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	1450 KVA
	b.	Numbers of DG set and capacity in KVA for standby power supply	500 KVA x 1 Nos.
	c.	Details of fuel used for DG set	82.5liters/hr of diesel
	d.	Energy conservation plan and percentage of savings including plan for utilization of solar energy a per ECBC 2007	Total energy savings will be 20.9 %.
20		PARKING	
	a.	Parking requirement as per norms	Car parking required: 546 cars Car parking provided: 546 cars
	b.	Level of service (LOS) of the connecting	Thanisandra Main Road:LOS

	roads as per the traffic study report	C Hennur main Road :LOS C
c.	Internal road width (RoW)	Internal driveway within the project site: 6 m wide Approach road width: Thanisandra main Road and Hennur Main Road.
21	Any other information specific to the project (specify)	--

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 230th meeting held on 12-9-2019 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. As per the village survey map there is one nala cutting across the project site in the north south direction for which the proponent has stated that he has left buffer zone as per norms.

The committee after discussion decided to reconsider after submission of the following information.

- 1) Surface hydrology has to be reworked keeping in view the micro water shed wherein this project is located and workout the carrying capacity of the nearby nalas.

The proponent has submitted the replies on 14-10-2019. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% 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.

232.68 Proposed Residential Development Project at Sy.Nos.107(P), 115/2, 115/3, 115/4, 115/5, 116/3 situated at Nagondanahalli Village and Sy.Nos. 30/1, 30/6 located at Hagadur Village, K.R.PuramHobli, Bengaluru East Taluk, Bengaluru Urban District By M/s. Sobha Ltd. (SEIAA 31 CON 2019)

Sl.	PARTICULARS	INFORMATION
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No											
1	Name & Address of the Project Proponent	Mr. Prasanna Venkatesh G, M/s Sobha Limited Sarjapur-Marthahalli Outer Ring Road Bellandur Post, Bangalore - 560103									
2	Name & Location of the Project	Proposed Residential Developmental Project by M/s Sobha Limited, located 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	Co-ordinates of the Project Site	12°58'21.53"N & 77°45'50.64"E 12°58'15.20"N & 77°45'50.62"E 12°58'15.80"N & 77°45'55.05"E 12°58'19.89"N & 77°45'58.01"E 12°58'14.62"N & 77°45'58.82"E									
4	Environmental Sensitivity										
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.)	Nallurahalli Lake -2.5 Km W Sheelavanthakere- 2.20Km, SW									
	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.	As per village map, there is a nala pass through the site and nalas passing near the site, even though some are not visible on ground, sufficient buffers have been provided as per NGT order dated 04.05.2016.									
5	Type of Development										
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Proposed Residential Apartment Project									
	Residential Township/ Area Development Projects	-NA-									
6	Plot Area (Sqm)	The plot area of the project is 58,932.35Sq.mt out of which the Physical plot area for development is 56,555.98 Sq. m (13 Acres 39 Guntas)									
7	Built Up area (Sqm)	1,74,734.18 Sq m									
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Residential Apartment consisting of 739 units in 4 Blocks with clubhouse facility									
		<table border="1" data-bbox="619 1742 1327 1863"> <thead> <tr> <th data-bbox="619 1742 810 1863">Description</th> <th data-bbox="810 1742 1050 1863">Building Configuration</th> <th data-bbox="1050 1742 1327 1863">Maximum building height, m</th> </tr> </thead> <tbody> <tr> <td data-bbox="619 1863 810 1899">Block-1</td> <td data-bbox="810 1863 1050 1899">2B + G + 17 UF</td> <td data-bbox="1050 1863 1327 1899">54.65 m</td> </tr> <tr> <td data-bbox="619 1899 810 1939">Block 2</td> <td data-bbox="810 1899 1050 1939">1B + G + 14 UF</td> <td data-bbox="1050 1899 1327 1939"></td> </tr> </tbody> </table>	Description	Building Configuration	Maximum building height, m	Block-1	2B + G + 17 UF	54.65 m	Block 2	1B + G + 14 UF	
		Description	Building Configuration	Maximum building height, m							
Block-1	2B + G + 17 UF	54.65 m									
Block 2	1B + G + 14 UF										

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			1B + G + 17 UF		
		Block 3	1B + G + 17 UF B + G + 14 UF		
		Block 4	2B + G + 17 UF		
		Clubhouse	B+G + 2 UF		
9	Number of units in case of Construction Projects	739 units			
10	Number of Plots in case of Residential Township/ Area Development Projects	-NA-			
11	Project Cost (Rs. In Crores)	Rs. 367.2 Crores			
12	Recreational Area in case of Residential Projects / Townships	-NA-			
13	Details of Land Use (Sq.m)				
	a.	Ground Coverage Area	Tower-11445.26 Sq.m (20.24%)		
	b.	Kharab Land	1113.2 Sq. m		
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	The landscape area of 20,331.987 Sq. m (36%) [(on Ground-15,201.13 Sq.m and on Podium 5130.857 Sq.m)]		
	d.	Internal Roads	Road & Hard Paved area-18,825.03Sq.m		
	e.	Paved area			
	f.	Others Specify	Other service-1305.7 Sq.m Ramps-7075q.m CA site:2827.8 Sq.m		
	g.	Parks and Open space in case of Residential Township/ Area Development Projects			
	h.	Total	58,932.35 Sq.m (14 Acres and 22.5 Guntas)		
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	Construction Debris -23,481 cum It will be reused / recycled for back filling / sub base work for roads & pavements within project site.		
	b.	Total quantity of Excavated earth (in cubic meter)	81,839 cum		

c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	Sl. No.	Item	Quantity (Cum)
		1	Total excavated earth	81,839
		2	Building back filling	28,184
		3	Landscape Purpose	21,255
		4	Road works	17,725
	Block formation and used for labor camp and compound wall construction	14,675		
d.	Excess excavated earth (in cubic meter)	No excess excavated earth		
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	Private water tankers		
b.	Quantity of water for Construction in KLD	650 KL		
c.	Quantity of water for Domestic Purpose in KLD	45KLD- for the proposed labour colony		
d.	Waste water generation in KLD	36KLD		
e.	Treatment facility proposed and scheme of disposal of treated water	Wastewater will be treated in mobile STP		
II.	Operational Phase			
a.	Total Requirement of Water in KLD	Fresh	344	
		Recycled	406	
		Total	521	
b.	Source of water	BWSSB/ External Tankers		
c.	Waste water generation in KLD	469KLD		
d.	STP capacity	570KLD (2X 285 KLD modules)		
e.	Technology employed for Treatment	Extended aeration with ultra filtration technology		
f.	Scheme of disposal of excess treated water if any	Excess STP treated water of 39KLD will be disposed to UGD line		
16	Infrastructure for Rain water harvesting			
a.	Capacity of sump tank to store Roof run off	790cum		
	No's of Ground water recharge pits	39 Nos.		
17	Storm water management plan	Enclosed in the project report		
18	WASTE MANAGEMENT			

I.	Construction Phase																	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	Total No. of labors = 600 no's (considering @ 0.25 Kg /day /person) Solid waste generation= 600 X 0.25=150Kgs /day																
II.	Operational Phase																	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1.11MT/day organic waste and 0.74 MT/day inorganic waste generated from residential building. Total 1.85 MT/day of generated solid waste during operational phase will be segregated into organic and inorganic waste. Organic waste will be treated in organic waste converter and inorganic waste will be handover to authorized processors.																
b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms																	
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	1014 Kgs/ hr ; Used Oil from D.G. Sets will be stored in leak proof sealed barrels and will be given to KSPCB authorized reprocessors / re-cyclers.																
d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	100Kg/ annum																
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1.11MT/day organic waste and 0.74 MT/day inorganic waste generated from residential building.																
19	POWER																	
a.	Total Power Requirement - Operational Phase	The total maximum load demand for the proposed project during operational phase is 6912.64KVA.																
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 250 KVA + 1 X 320 KVA + 9 X 500 KVA																
c.	Details of Fuel used for DG Set	HSD for DG sets with low sulphur content <0.05%. This used oil will be handed over to authorized recyclers.																
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Solar energy will be utilized for solar Geysers in master bed room of last one floor, LED lights are considered on solar power. It will result in energy saving equal to about 24.31%.																
20	PARKING																	
a.	Parking Requirement as per norms	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Activity</th> <th>No. of units</th> <th>Parking required in Nos</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Residential</td> <td>739</td> <td>739</td> </tr> <tr> <td>2</td> <td>10 % Visitors Parking</td> <td></td> <td>74</td> </tr> <tr> <td>3</td> <td>Total No. of Car Parking Required</td> <td></td> <td>813</td> </tr> </tbody> </table>	Sl. No.	Activity	No. of units	Parking required in Nos	1	Residential	739	739	2	10 % Visitors Parking		74	3	Total No. of Car Parking Required		813
Sl. No.	Activity	No. of units	Parking required in Nos															
1	Residential	739	739															
2	10 % Visitors Parking		74															
3	Total No. of Car Parking Required		813															

		Sl. No.	Level	No's
		1	Basement 1st Level	386
		2	Basement 2nd Level	509
		3	Ground Floor	270
		4	Surface Parking	75
		5	Total car parking provided	1240
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	The present level of service will remain "A, B & B" along Approach Road, Immadihalli Main Road and Dr. Ambedkar Nagar Road /Nagondanahalli main road respectively A-Excellent, B-Very Good		
c.	Internal Road width (RoW)	8m		

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 220th meeting held on 9-4-2019 to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form I, Conceptual plan and clarification/additional information provided during the meeting. The committee noted that earlier an application was made out for issue of EC for the same project area and BUA of 1,84,287.69sqmts and ToRs were also issued. Subsequently the proponent has decided to go for reconfiguration of the project plan and in view of this the project proponent has not responded though he was given several opportunities and the committee decided to recommend for the closure on the basis of the letter furnished by the proponent stating that he is revising the concept plan. Now proponent states that he has incorporated all the revision and modifications and made out a fresh application for the same for the BUA 1,74,734.18sqmts. In this regard the proponent has also requested that he has started collecting data from the date of issue of earlier ToRs and requested the committee to permit him to adopt the same for EIA report.

The Committee after discussion had decided to appraise the proposal as B1 and decided to recommend the proposal to SEIAA for issue of standard ToRs to conduct the EIA studies. The committee also prescribed the following additional ToRs.

- 1) Details of the Kharab land and its position on the village survey map may be detailed and submitted.
- 2) Ground water potential and level in the study area may be studied.
- 3) Scheme for waste to energy plant to process the entire organic waste generated from the entire project.
- 4) Management plan to utilise the entire earth generated within the site may be worked out and submitted..
- 5) Utilization of the entire terrace for solar power generation may be worked out and submitted along with layout, efficiency of panels, and cost estimation.
- 6) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.

- 7) 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.
- 8) To submit the Details of trees to be felled and the scheme for development of greenery with the number and kind of tree species as per the norms.
- 9) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.
- 10) ECBC norms to be fully complied with for design and choice of equipments. Simulation modeling studies to be conducted and quantify the energy savings. Indicate the energy utilization intensity $=(\text{total KWH}/\text{year})/\text{BUA}$, bench mark this value for similar commercial buildings.
- 11) Carbon footprint to be estimated for construction and operation phase. Suitable offsets to be implemented, quantified and detail calculation to be submitted to try and achieve near zero carbon foot print.
- 12) Traffic simulation studies to be conducted for present and projected traffic densities along with transportation study for construction phase. Traffic plan to be prepared in order to reduce vehicular emissions and project the vehicular emissions through linear air modeling.
- 13) Provide baseline studies of indoor air quality at each floor level and basement of other commercial buildings developed by the proponent. Detail the measures to monitor indoor air quality during operation phase.
- 14) The NOC from the Airport authority regarding the height of the building permitted may be obtained and submitted.
- 15) Ground Water analysis shall be conducted for heavy metal parameters such as Mercury, Lead, Cadmium, & Uranium also.

Accordingly the ToRs were issued vide letter dated: 31-5-2019.

The proponent has submitted the EIA report vide letter dated: 8-7-2019.

The proposal is therefore placed before the committee for EIA appraisal.

The Proponent and the Environmental consultant attended the 228th meeting held on 7-8-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form-I, Conceptual plan, EIA Report and clarification/information provided during the meeting. As seen from the baseline studies it is noticed that there is a presence of Uranium in the ground water near Nagondanahalli and Hagadur in K.R Puram Hobli. The committee taken note of this and after deliberation decided to request the SEIAA to take up the matter with the concerned authorities.

As far as CER is concerned the proponent has stated that he has earmarked Rs.6.00 crores for this purpose for taking up rehabilitation works in the rain devastated Kodagu district.

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

- 1) The earthwork calculation has to be reworked taking into consideration level difference within the project site.
- 2) Design details of entry and exit to ensure smooth traffic flow in the main approach road.
- 3) Carbon foot prints with suitable offsets may be worked out both for construction and operation phase may be submitted.
- 4) Separate rain water harvesting storage sumps to store water from terrace area and paved area may be detailed and treatment scheme may be worked out and submitted.
- 5) Resubmit the STP flow chart with ozonisation as stated by the proponent and design parameters to be shared to restrict demand on fresh water to minimum.
- 6) Separate rain water harvesting storage sumps to store water from terrace area and paved area may be detailed and treatment scheme may be worked out and submitted.

The proponent has submitted the replies on 21-9-2019. The committee perused the replies submitted by the proponent and accepted the same.

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

3. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
4. 15% 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.

232.69 Proposed Expansion Development of Commercial Office Building Project at Sy.Nos.4, 19/1, 19/2, 19/3, 19/4, 20/1, 20/2, 20/3, 21, 22(P), 25(P), 39, 41/3A2, 41/3B2, 41/4 & 56 of Devarabeesanahalli Village and Sy.Nos.96(P), 97(P), 98/1, 98/2, 99, 100, 101 102/1&2, 102/3, 103, 104/1, 104/2, 105(P), 106(P) of Bhoganahalli Village and Sy.Nos.72/1, 72/2(P), 72/5 of Doddakannahalli Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru District By M/s. RMZ ECOWORLD INFRASTRUCTURE PVT. LTD. (SEIAA 149 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. RMZ Ecoworld Infrastructure Private Limited The Millenia, Tower -B, No.1 & 2, Murphy Road, Ulsoor,

		Bengaluru - 560 008.
2	Name & Location of the Project	<p>"RMZ Ecoworld"</p> <p>Development of Commercial Office Building (Horizontal Expansion)</p> <p>At Sy. Nos. 19/1, 19/2, 19/3, 19/4, 20/1, 20/2, 20/3, 21, 22(P), 25(P), 39, 41/3A2, 41/3B2, 41/4, 56 & 4 of Devarabeesanahalli Village, Sy. Nos. 96(P), 97(P), 98/1, 98/2, 99, 100, 101, 102/1&2, 102/3, 103, 104/1, 104/2, 105(P), 106(P) of Bhoganahalli Village and Sy. Nos. 72/1, 72/2(P), 72/5 of Doddakannahalli Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru.</p>
3	Co-ordinates of the Project Site	<p>Latitude: 12°55'36.73" N</p> <p>Longitude: 77°41'17.52" E</p>
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.
		Devarabeesanahalli Lake - 285 m from the project site
		Devarabeesanahalli Lake - 285 m from the project site
5	Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other
	b.	Residential Township/ Area Development Projects
		Commercial Office Development
		No
6	Plot Area (Sqm)	2,22,896.99 Sqmt (55 Acres 3.2 Guntas)
7	Built Up area (Sqm)	10,54,093.86 Sqmt
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Configuration- 2B+GF+8UF - 1 Tower (Proposed Expansion)
9	Number of units in case of Construction Projects	NA

10	Number of Plots in case of Residential Township/ Area Development Projects	No
11	Project Cost (Rs. In Crores)	Rs. 180Crores
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sqm)	
	a. Ground Coverage Area	5,311.26 Sqmt
	b. Kharab Land	--
	c. Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	4,609.09 Sqmt
	d. Internal Roads	3,714.76 Sqmt
	e. Paved area	--
	f. Others Specify	Service area = 225.25Sqmt
	g. Parks and Open space in case of Residential Township/ Area Development Projects	Included in the landscape area
	h. Total	13,860.36 Sqmt (Proposed Expansion)
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)	72,400 Cum
	c. Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	18,781 Cum
	d. Excess excavated earth (in cubic meter)	53,619 Cum
	e. Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Excess will be used for Preparation of Soil Cement Blocks
15	WATER	
	I. Construction Phase	

a.	Source of water	Labour camp mobile STP treated water for construction purpose and External authorized tanker for domestic purpose.	
b.	Quantity of water for Construction in KLD	24 KLD	
c.	Quantity of water for Domestic Purpose in KLD	30KLD	
d.	Waste water generation in KLD	27 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	Sewage generated from construction site and labour colony of 27 KLD (5.5 + 21.5 KLD) will be treated in a mobile sewage treatment plant of 50 KLD.	
II. Operational Phase			
a.	Total Requirement of Water in KLD	Fresh	For Existing Buildings: 2,121 KLD For Proposed Building: 136 KLD
		Recycled	For Existing Buildings: 933 KLD For Proposed Building: 85 KLD
		Total	For Existing Buildings : 3,054 KLD For Proposed Building: 221 KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	From Existing Buildings: 2,443 KLD	
		From Proposed Building: 199 KLD	
d.	STP capacity	Existing: 237 KLD, 600 KLD, 200 KLD, 365 KLD, 460KLD, 310 KLD, 330KLD & 300 KLD Proposed: 200 KLD	
e.	Technology employed for Treatment	Sequential Batch Reactor	
f.	Scheme of disposal of excess treated water if any	Will be utilized within the site for flushing, landscaping and for HVAC.	
16 Infrastructure for Rain water harvesting			
a.	Capacity of sump tank to store Roof run off	200 Cum	
	No's of Ground water recharge pits	15 Nos. recharge pits and 1 No. of recharge well	
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 from construction site and 60 kg/day from the labour camp. 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	From existing buildings: 3.2 MT/day	
		From proposed buildings:0.4 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	From existing buildings: 13.0 MT/day	
		From proposed buildings:0.8 M T/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	From the existing buildings: 40 l/hr
			From the proposed building 0.243 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 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	For Existing Buildings : 54,696 kVA For Proposed Building: 3,183 kW	
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Existing: 1,500 kVA X 47 Nos., 1,450 kVA X 4 Nos., 750 kVA X 1 No., 500 kVA X 1 No., 365 kVA X 4 Nos., 1,250 kVA X 2 Nos. & 1,010 kVA X 1 No. Proposed: 500 kVA X 1 No.	
c.	Details of Fuel used for DG Set	Existing:17,289 l/hr Proposed: 105 l/hr	
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Solar lighting Cu wound transformer HF ballast LED Energy Savings: 26.5%	
PARKING			
a.	Parking Requirement as per norms	Required (Proposed)	Provided (Proposed)
		568 Nos.	689 Nos.
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Traffic report will be submitted along with EIA report.	
c.	Internal Road width (RoW)	8.0 m	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

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 I, conceptual plan and clarification/additional information provided during the meeting. The committee noted that this project is connected to outer ring road through 23 meter wide road and also there is another 12 meter public road abutting this property connecting outer ring road to panathur road. The proponent has also stated that he has developed the road connecting this property to Sarjapur road of about 1.5 kilometer.

The committee has received representation stating to be the residents of the neighbouring area (ORR Sarjapur Raising) and expressed concerns mainly on the following points:

- a) The water requirement of the present project is affecting the water availability to the residents of neighbouring area and also the ground water table has depleted to almost a 1000 feet depth causing lot of problems to the residents.
- b) The traffic scenario in the ORR and other roads connecting the project site is worst.
- c) Air quality standards in the locality has deteriorated substantially and it is much above the permissible standards.
- d) These project proponents are drawing water from the water tankers and neighbouring residents are not getting even tanker water because of the exorbitant cost offered by the proponent.

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. Further in the light of the above, the committee also decided to prescribe the following additional ToRs:

- 1) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
- 2) Utilization of the entire terrace for solar power generation may be worked out and submitted.
- 3) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
- 4) Rain water harvesting/storage details may be worked out.
- 5) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
- 6) Submit the Details of trees to be felled and list of existing species specieswise number and trees proposed to develop green belt as per the norms.

- 7) Study the possibility of retaining maximum number of trees existing in the project site.
- 8) The applicability of the recent NGT order on buffer zone for both the expansion portion and the portion which is already existing for water bodies and nalas may be studied and submitted.
- 9) Water analysis should include the parameters regarding heavy metals.
- 10) The proponent has to workout suitable carbon foot print from the project construction phase as well as operations and suggest suitable offsets.
- 11) ECBC simulation for the commercial building may be worked out and complied. Eco friendly building materials shall be used for atleast 20% of the construction material quantity and details for the same may be submitted.
- 12) Analysis of the land use land cover should be prepared using latest satellite imagery around 10 kilometer radius of the project site.
- 13) Details of Kharab land and its position may be indicated in the concept plan.

In view of the concerns expressed by the residents the following critical aspects may be studied in detail and submitted so that the day to day life of the residents of the neighbouring area is not affected due to this project.

- a) Details of water procured from BWSSB and other sources on an annual basis for the last three years may be submitted and study the possibility of increasing the ground water recharge in order to bring up the depleted water table.
- b) If the level of service for traffic on the existing roads is critical the measures to be taken to ensure smooth traffic flow by preparing comprehensive mobility plan as per URDPFI may be detailed and submitted.
- c) Measures to improve the quality of air if it is beyond the permissible limits may be detailed.

In this regard, the committee opined to request SEIAA to ask KSPCB to independently monitor the air quality and to submit report.

Accordingly ToRs were issued on 28-1-2019. The Authority vide letter dated:16-2-2019 has also forwarded the apprehensions expressed in the letters dated:19-11-2018, 6th December 2018, 11th December 2018 and 4th January 2019 submitted by Sri Tushar Kapila, Residents of Adarsh Palm Retreat and affected residents of Bellandur ward that are to be addressed in the EIA Report.

The proponent has submitted the EIA report on 13-8-2019 and the same was placed before the committee for perusal.

The proponent and Environment consultant was invited for the 230th meeting held on 12-9-2019 to present the EIA report.

The committee appraised the proposal considering the information provided in the statutory application-Form-I, Conceptual plan, EIA Report and clarification/information provided during the meeting. As seen from the village survey map there are no water bodies within the Sy.No.4 wherein this expansion is propose. However there is a nala in the neighboring Sy.No. on the western side of the project site

for which the proponent has stated that he has maintained mandated buffer as per norms.

The committee after discussion decided to reconsider after submission of the following information.

- 1) Earthwork management details have to be reworked and submitted.
- 2) Detail study to reduce the dependency of tanker water has to be carried out and submitted by increasing the reuse and creating the storage capacity of fresh water and also sufficient storage capacity of tanks for storing water from terrace area and water from hard paved surface.
- 3) Ground water deep recharge wells are to be increased as agreed by the proponent and the location of same may be worked out and submitted.
- 4) The possibility of procuring treated sewage water from BWSSB in order to reduce the dependency on tanker water may be examined and submitted.
- 5) ECBC code wise compliance along with energy utilization index to be submitted.

The proponent has submitted the replies on 5-10-2019. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall identify suitable place(KIOSK) 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.

232.70 Proposed Grey Granite Quarry Project at Sy.No.106/4 of Yediyapur Village, Yelburga Taluk, Koppal District (1-10 Acres) By Sri Aravind S. Patil (SEIAA 557 MIN 2019)

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri Aravind S.Patil S/o Sri Shivashanappagouda Patil, Bandi Road, Koppal-583 231 Koppal Taluk & District
2	Name & Location of the Project	Yediyapur Grey Granite Quarry QL.Applied, in 1-10 Acres(0.51 Ha)

		Sy.No. 106/4, Patta Land, Yediyapur Village, Yelburga Taluk, Koppal District,
3	Co-ordinates of the Project Site	Topo sheet No 57 A/2 Latitude: N 15° 30' 29.3" to N 15° 30' 30.5" Longitude: E 76° 02' 59.9" to E 76° 03' 07.0"
4	Type of Mineral	Ornamental Stone
5	New / Expansion / Modification / Renewal	New
6	Type of Land(Forest, Government Revenue, Gomal, Private/Patta, Others	Patta Land
7	Whether the project site fall within ESZ / ESA	NO
8	Area in Ha.	0.51 Ha
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	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guide line 2016.	NA.
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh grant, Small Old pit of 0.098 Ha
13	Annual Production Proposed (Metric Tons/CUM)/ Annum	1,000 Cum/Annum
14	Quantity of Top Soil / Over burden in cubic meter	1485.2 Cum
15	Mineral Waste to be handled(Metric tonnes / CUM)/ Annum	1,500 Cum/Annum
16	Project Cost (in Crores)	0.20 Crore
17	Environmental Sensitivity	
	a. Nearest Forest	No Reserve Forest within 15.0 kms.
	b. Nearest Human Habitation	Yediyapur Village -1.29 kms NE
	c. Institutes, Hospital	Kukanur- 5.65 kms SW
	d. Water Bodies	Seasonal Hire Hlla-1.61 kms NE
	e. Others Specify	--
18	Applicability of General Condition of the EIA Notification, 2006.	--
19	Details of Land Use in Acres	
	a. Area for Mining /Quarrying	0.529 Acres (0.216 Ha)
	b. Waste Dumping Area	0.184 Acres (0.075 Ha)
	c. Top Soil Storage Area	--

	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	0.083 Acres (0.034 Ha)	
	g.	Green Belt Area/ Buffer Zone	0.454 Acres (0.185 Ha)	
	h.	Unexplored Area	0.000	
	i.	Others Specify	--	
		Total	1.250 Acres (1-10 Acres) (0.51Ha)	
20	Method of Mining / Quarrying		Open Cast Other Than Fully Mechanised Method (OTFM)	
21	Rate of replenishment in case of River Sand Project		NA	
22	Water Requirement			
	a.	Source of water	Borewell from nearby Village	
	b.	Total Requirement of Water in KLD	Domestic	0.72 KLD
			Gardening	1.00 KLD
			Dust Suppression	1.50 KLD
			Total	3.22 KLD
23	Storm water management plan		Drains will be constructed along the lease boundary & Check Dam at the end of the drain to contain the silt and sediments.	
24	Any other information specific to the project(Specify)		NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 231th meeting held on 25-9-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. This is a proposal involving ornamental stone mining in patta land. The proponent has stated that the project has been cleared by the District Task Force consisting representative of DMG, Revenue Dept., Forest Department. He has also stated that this lease is adjacent to the another existing lease which stands in the name of same proponent, hence the DMG has approved the quarry plan without buffer zones in the common boundary. In the said lease area a portion has already been operated unauthorisely and according to pit measurement the total quantity already extracted comes to 1000 cum. Taking this into consideration the committee opined that the proposed quantity of 12,500 cum for a plan period of five years can be mined safely and scientifically to a quarry pit depth of 8

meters. The proponent has stated that the recovery is 40% and waste is 60% and for waste handling the proponent has stated he has earmarked 7.5 guntas of land.

As per the cluster sketch prepared by DMG there is one another quarry the combined area of these two leases is 2 Acres 21 guntas and this being less than the threshold limit of 5 Ha the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 60 meters connecting to the adjacent quarry which stands in the proponents name and the same will be utilized for haulage of materials from this quarry also.

As far as CER is concerned the proponent has stated that he has earmarked Rs.5.00 lakhs for a plan period of five years to take up improvement of works in connection with Benekal kere which is a distance of 5.3 KM from the project site.

The committee after discussion decided to reconsider after submission of forest clearance issued from the competent authority.

The proponent has submitted the replies on 14-10-2019. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.71 Proposed Kukanur Grey Granite Quarry over an area of 5-09 Acres(2.115 Ha) in Sy.Nos.79/2 & 79/3 at Kukanur Village, Yelburga Taluk, Koppal District by Sri Basavanagouda Linganaagouda Tondihal (SEIAA 578 MIN 2019)

SL No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri Basanagouda Linganaagouda Tondihal Prashant Nagar, Kukanur-813 232 Yelburga Taluk, Koppal District
2	Name & Location of the Project	Kukanur Grey Granite Quarry QL.Applied, in 5-09 Acres(2.115 Ha) Sy.Nos. 79/2 & 79/3, Patta Land, Kukanur Village, Yelburga Taluk, Koppal District

3	Co-ordinates of the Project Site	sheet No 57 A/2 Latitude:N 15° 30' 36.9" to N 15° 30' 43.4" Longitude:E 76° 00' 34.6" to E 76° 00' 38.5"
4	Type of Mineral	Ornamental Stone
5	New / Expansion / Modification / Renewal	New
6	Type of Land(Forest, Government Revenue, Gomal,Private/Patta, Others	Patta Land
7	Whether the project site fall within ESZ / ESA	NO
8	Area in Ha.	2.115 Ha
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	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guide line 2016.	NA.
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Fresh grant, No pit
13	Annual Production Proposed (Metric Tons/CUM)/Annum	5,000 Cum/Annum
14	Quantity of Top Soil / Over burden in cubic meter	No or Small quantity of Top Soil
15	Mineral Waste to be handled(Metric tonnes / CUM)/Annum	15,000 Cum/Annum
16	Project Cost (in Crores)	0.25 Crore
17	Environmental Sensitivity	
	a. Nearest Forest	No Reserve Forest within 10.0 kms.
	b. Nearest Human Habitation	Kakkihalli Village -0.92 kms SE
	c. Institutes, Hospital	Kukanur- 1.43 kms SW
	d. Water Bodies	Benakal Water Tank-5.43 kms South Seasonal Hire Hilla-7.77 kms South
	e. Others Specify	-

18	Applicability of General Condition of the EIA Notification, 2006.	--	
19	Details of Land Use in Acres		
	a. Area for Mining / Quarrying	2,593 Acres (1,050 Ha)	
	b. Waste Dumping Area	0.926 Acres (0.375 Ha)	
	c. Top Soil Storage Area	--	
	d. Mineral Storage Area	0.313 Acres (0.127 Ha)	
	e. Infrastructure Area	0.010 Acres (0.005 Ha)	
	f. Road Area	0.027 Acres (0.011 Ha)	
	g. Green Belt Area/Buffer Zone	0.457 Acres (0.185 Ha)	
	h. Unexplored Area	0.894 Acres (0.362 Ha)	
	i. Others Specify	--	
	Total	5.22 Acres (5-09 Acres) (2.115Ha)	
20	Method of Mining / Quarrying	Open Cast Other Than Fully Mechanised Method (OTFM)	
21	Rate of replenishment in case of River Sand Project	NA	
22	Water Requirement		
	a. Source of water	Borewell from nearby Village	
	b. Total Requirement of Water in KLD	Domestic	1.49 KLD
		Gardening	1.50 KLD
		Dust Suppression	2.00 KLD
		Total	4.99 KLD
23	Storm water management plan	Drains will be constructed along the lease boundary & Check Dam at the end of the drain to contain the silt and sediments.	
24	Any other information specific to the project(Specify)	NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent. The committee also noticed certain changes in the agenda and directed to change which shall be corrected and read as above.

The Proponent and Environment Consultant attended the 231th meeting held on 27-9-2019 to provide clarification/ additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving ornamental stone mining in patta land. The proponent has stated that the proposal has been got vetted by District Task force committee and based on this DMG has notified this lease. As per the quarry plan there is a level difference of 2.97 meter within the mining area and taking this into consideration committee opined that the proposed gross quantity of 1,00,000 cum can be mined safely and scientifically to a quarry pit depth of 12 meters. The proponent has also stated that the recovery is 25% i.e., 25,000 cum and the waste is 75% i.e 75,000 cum

for which the proponent has stated that he will get the waste converted into building stone by taking suitable permissions from the concerned departments and the same has been reflected in the approved quarry plan.

As per the cluster sketch prepared by DMG there is one other lease within 500 meter radius from this lease area and the combined area of these two leases is 7 Acres 9 guntas and this being less than the threshold limit of 5 Ha the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 760 meters connecting lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he has earmarked Rs.10.00 lakhs to take up rejuvenation of Benekal kere which is a distance of 5.43 KM from the project site.

The committee after discussion decided to reconsider after submission of District Task Force/Notification/Forest clearance certificates issued from the competent authorities.

The proponent has submitted the replies during the meeting. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.72 Proposed Project to Formulation of Urea Formaldehyde Resin and Melamine Urea Formaldehyde Resin and Manufacturing process of Lamination of Particle Boards & MDF at Plot No.96-B and 96-C, Adakanahalli Industrial Area, Chikkaiahnachatra Nanjanagudu Taluk, Mysore, District by M/s. Harsha Impex(SEIAA 38 IND 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Harsh Impex registered office at No.977,13th Cross, 26th Main , J P Nagar, 2nd stage, Mysore-570008.

2	Name & Location of the Project	Plot No.96-B and 96-C, Adakanahalli Industrial Area, Chikkaiahnachatra, Nanjanagudu Taluk, Mysore District.
3	Co-ordinates of the Project Site	Latitude:12°10' 18.5"N Longitude: 76°42' 15.7"E
4	Environmental Sensitivity	
	a.	Distance From nearest Lake/ River/ Nala Kabini River-3km (SE)
	b.	Distance from Protected area notified under wildlife protection act None within 15km
	c.	Distance from the interstate boundary None within 15km
	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	5f
6	New/ Expansion/ Modification/ Product mix change	New
7	Plot Area (Sqm)	4,000Sqm.Mts
8	Built Up area (Sqm)	792 Sqm.mts
9	Component of developments	Proposed to manufacture of lamination of particle boards & MDF Sheets of capacity 400 Sheets/day And Formulation of Urea Formaldehyde Resin and Melamine Urea Formaldehyde Resin of capacity 15 tons/ day
10	Project cost (Rs. In crores)	2,03,17,000(2 crores 3lakhs seventeen thousand)
11	Details of Land Use (Sqm)	
	a.	Ground Coverage Area 792.00
	b.	Kharab Land -
	c.	Internal Roads -
	d.	Paved area -
	e.	Parking 310
	f.	Green belt 1040.40
	g.	Others Specify 1857 Open space
	h.	Total 4,000
12	Products and By- Products with quantity (enclose as Annexure if necessary)	

	Sl. No	Products	Quantity
	1.	Lamination of Particle Boards & MDF Sheets	400 Sheets/ day
	2.	Formulation of Urea Formaldehyde Resin and Melamine Urea Formaldehyde Resin of capacity	15 tons/ day
	Raw material with quantity and their source (enclose as Annexure if necessary)		
	Sl. No	Material	Quantity per month
13	1.	Formaldehyde	10 tons/ day
	2.	Melamine	2.5 ton/ day
	3.	Urea	1.5 ton/ day
	4.	Formic acid	10 kgs/ day
	5.	Caustic Soda	5 kgs/ day
14	Mode of transportation of Raw material and storage facility		By Road/ Train
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		No
16	Fly ash production, storage and disposal details whereas coal is used as fuel		No
17	Complete process flow diagram and technology employed		Pre-feasibility Report in chapter-3
18	Details of Plant and Machinery with capacity/ Technology used		Pre-feasibility Report in chapter-3
19	Details of VOC emission and control measures wherever applicable		Pre-feasibility Report in chapter-3
20	WATER		
	I.	Construction Phase	
	a.	Source of water	KIADB
	b.	Quantity of water for Construction in KLD	2 KLD
	c.	Quantity of water for Domestic Purpose in KLD	0.25KLD
	d.	Waste water generation in KLD	1.6 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	Mobile STP/Chemical Toilet

	II	Operational Phase	
	a.	Source of water	
	b.	Total Requirement of Water in KLD	Fresh 0.55
			Recycled -
			Total 0.55
	c.	Requirement of water for industrial purpose / production in KLD	Fresh 0.10 for cooling
			Recycled -
			Total 0.1
	d.	Requirement of water for domestic purpose in KLD	Fresh 0.45
			Recycled -
			Total 0.45
	e.	Waste water generation in KLD	Industrial effluent -
			Domestic sewage 0.360
			Total 0.360
	f.	ETP/ STP capacity	
	g.	Technology employed for Treatment	Shall be disposed through Mobile STP/Chemical Toilet
	h.	Scheme of disposal of excess treated water if any	
21		Infrastructure for Rain water harvesting	A collection tank of 5 KLD will be constructed for collecting only the roof top water
22		Storm water management plan	Pre-feasibility Report chapter-6
23		Air Pollution	
	a.	Sources of Air pollution	<ul style="list-style-type: none"> ➤ 1 No X Boiler 1.5 T/Hr. ➤ 2 No's X DG set-62.5 KVA
	b.	Composition of Emissions	SO _x , NO _x
	c.	Air pollution control measures proposed and technology employed	For Boilers 3 m ARL(Individual) stack provided. For Dg set 3 m ARL with acoustic enclosures stack provided.
24		Noise Pollution	
	a.	Sources of Noise pollution	DG set
	b.	Expected levels of Noise pollution in dB	≤75dBA
	c.	Noise pollution control measures proposed	For DG set, adequate noise control measures as per CPCB norms shall be provided, These measures shall ensure that the noise levels shall be within the prescribed norms
25		WASTE MANAGEMENT	

	I.	Operational Phase	
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable Solid waste-Office waste 5 Kegs/Month Sold to recyclers. Non- Biodegradable
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Used Oil 0.1 KL/ Annum Shall be collected in leak proof containers & disposed to KSPCB registered reprocess. Cotton Waste 2 Kg/ Annum Shall be collected & disposed to KSPCB registered incinerator. Oil filter No's / Annum Shall be collected & Disposed to KSPCB registered incinerator.
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	--
26		Risk Assessment and disaster management	Kindly Refer Chapter 10
27		POWER	
	a.	Total Power Requirement in the Operational Phase with source	10Kva
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1Nos X 62.5KVA
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	--
28		PARKING	
	a.	Parking Requirement as per norms	As per local Bye law
	b.	Internal Road width (RoW)	5
29		Any other information specific to the project (Specify)	--

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The proponent was invited for 206th meeting held on 20th August 2018 to provide required clarification. The proponent remained absent without intimation.

Since this is a first opportunity, the committee decided to provide one more opportunity to the proponent with an intimation that the proposal will be appraised based on merit in case he remains absent again.

The proponent was invited for 208th meeting held on 22nd September 2018 to provide required clarification.

The proponent and Environment consultant attended the meeting to provide required clarification/additional information. The committee noted that the application has been made out for formulation of synthetic resins but it is learnt from the proponent that it involves manufacture of synthetic resins using toxic chemicals such as formaldehyde and melamine.

In this regard the proponent has also produced the OM issued from CPCB categorizing all synthetic resins under orange category instead of red category classified earlier. There is a remark against this categorization in the above OM which says all sorts of pollutions are involved.

The committee after discussion and deliberations opined that the reaction involves high temperature of 80° to 90°C and toxic chemicals such as formaldehyde which is banned elsewhere. Hence the committee felt that this proposal has to be treated as manufacturing proposal instead of formulation and has to be appraised under red category only. For this the proponent has agreed to make out a fresh application based on the above observations of the committee. Hence it is decided to recommend for closure.

The authority perused the proposal and took note of the recommendation of SEAC during the 157th SEIAA meeting held on 12th October 2018. The authority also perused the letter dated:5-10-2018 requesting not to close the file and they are going to submit the revised application shortly.

The authority after discussion decided to give an a opportunity to the proponent for submission of revised application and to forward the file to SEAC along with revised application if submitted for appraisal in accordance with law.

The proponent has submitted the revised application vide letter 12-10-2018 received on 29-10-2018.

Sl No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Harsh Impex registered office at No.977, 13th Cross, 26th Main, J P Nagar, 2nd Stage, Mysuru -570008.
2	Name & Location of the Project	Plot No.96-B and 96-C, Adakanahalli Industrial Area, Chikkaiahnachatra Nanjanagudu Taluk, Mysuru District.
3	Co-ordinates of the Project Site	Latitude: 12°10'18.5"N Longitude: 76°42'15.7"E
4	Environmental Sensitivity	
	a. Distance From nearest Lake/ River/ Nala	Kabini River -3 km (SE)
	b. Distance from Protected area notified under wildlife protection act	None within 15km

	c.	Distance from the interstate boundary	None within 15km
	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	5f
6		New/ Expansion/ Modification/ Product mix change	New
7		Plot Area (Sqm)	4,000Sqm. Mts
8		Built Up area (Sqm)	792 Sqm.mts
9		Component of developments	Manufacturing of Formaldehyde of 60 Tons/day, Urea Formaldehyde Resin and Melamine urea Formaldehyde Resin of capacity 30 tons/day
10		Project cost (Rs. In crores)	2,03,17,000 (2 crores 3lakhs seventeen thousand)
11		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	792,00
	b.	Kharab Land	--
	c.	Internal Roads	
	d.	Paved area	---
	e.	Parking	310
	f.	Green belt	1040.40
	g.	Others Specify	1857Open space
	h.	Total	4,000
12		Products and By- Products with quantity (enclose as Annexure if necessary)	Pre-feasibility Report in <i>chapter -3</i>
13		Raw material with quantity and their source (enclose as Annexure if necessary)	Pre-feasibility Report in <i>chapter -3</i>
14		Mode of transportation of Raw material and storage facility	By Road/ Train
15		Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	No
16		Fly ash production, storage and disposal details whereas coal is used as fuel	No

17	Complete process flow diagram and technology employed	Pre-feasibility Report in <i>chapter -3</i>	
18	Details of Plant and Machinery with capacity/ Technology used	Pre-feasibility Report in <i>chapter -3</i>	
19	Details of VOC emission and control measures wherever applicable	Pre-feasibility Report in <i>chapter -3</i>	
20	WATER		
	I. Construction Phase		
	a. Source of water	KIADB	
	b. Quantity of water for Construction in KLD	2 KLD	
	c. Quantity of water for Domestic Purpose in KLD	0.25KLD	
	d. Waste water generation in KLD	1.6 KLD	
	e. Treatment facility proposed and scheme of disposal of treated water	Chemical toilet and Mobile STP	
	II Operational Phase		
	a. Source of water		
	b. Total Requirement of Water in KLD	Fresh	9.45
		Recycled	-
		Total	9.45
	c. Requirement of water for industrial purpose / production in KLD	Fresh	9
		Recycled	3
		Total	0.4
	d. Requirement of water for domestic purpose in KLD	Fresh	0.45
		Recycled	-
		Total	0.45
	e. Waste water generation in KLD	Industrial effluent	2
		Domestic sewage	0.360
		Total	2.36
	f. ETP/ STP capacity	Shall be treated in primary effluent treatment plant then sent to CETP	
	g. Technology employed for Treatment	Disposed to Septic tank and soak pit	
	h. Scheme of disposal of excess treated water if any	Disposed to Septic tank and soak pit	
21	Infrastructure for Rain water harvesting	A collection tank of 5 KLD will be constructed for collecting only the roof top water	

22	Storm water management plan	Pre-feasibility Report <i>chapter-6</i>	
23	Air Pollution		
	a. Sources of Air pollution	➤ 1 No X Boiler 2 T/Hr. ➤ 1 No's X DG set-62.5 KVA	
	b. Composition of Emissions	SO _x , NO _x	
	c. Air pollution control measures proposed and technology employed	For Boilers 18 m ARL(Individual) stack provided For DG set 3 m ARL with acoustic enclosures stack provided	
24	Noise Pollution		
	a. Sources of Noise pollution	DG set	
	b. Expected levels of Noise pollution in dB	≤75dBA	
	c. Noise pollution control measures proposed	For DG set, adequate noise control measures as per CPCB norms shall be provided. These measures shall ensure that the noise levels shall be within the prescribed norms	
25	WASTE MANAGEMENT		
	i. Operational Phase		
	a. Quantity of Solid waste generated per day and their disposal	Biodegradable	Solid waste-Office waste 5 Kgs/Month Sold to recyclers.
		Non- Biodegradable	
	b. Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Used Oil 0.1 KL/Annum Shall be collected in leak proof containers & disposed to KSPCB registered reprocess. Cotton Waste 2 Kg/ Annum Shall be collected & disposed to KSPCB registered incinerator. Oil filter No's/ Annum Shall be collected & disposed to KSPCB registered incinerator. Waste residue 350kg/ annum shall be stored in secured manner and disposed to KSPCB authorized incenartor	
	c. Quantity of E waste generation with source and mode of Disposal as per norms	-	
26	Risk Assessment and disaster management	At Chapter 10	
27	POWER		
	a. Total Power Requirement in the Operational Phase with source	10kVA	

	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1No's X 62.5KVA
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	DG 62.5KVA X1-Diesel Boiler2T/Hr X 1- wood/briquette fired
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	--
28	PARKING		
	a.	Parking Requirement as per norms	As per local Bye law
	b.	Internal Road width (RoW)	5
29	Any other information specific to the project (Specify)		--

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 proponent to submit EC obtained by KIADB and examine whether the red category industries were allowed in this industrial area and details to be submitted.
2. Whether this unit complies the siting guidelines required for establishment of red category industries.
3. Proponent has to list out various other units that have come up in this industrial hub.
4. Considering the worst case scenario, which product will give maximum Wastage/pollution and is to be addressed in detail in EIA report.
5. Whether the treatment facility provided should have capacity to handle max. Waste generated by a particular product to be detailed.
6. Whether any banned/hazardous solvent are used in the process and replacement if any is to be explained.
7. Detailed design of green belt keeping minimum 33% of the plot area.
8. Material balance & mass balance (ratio between product and waste generated)
9. Alternate to septic tank and soak pit may be furnished.
10. Storm water outlet quality monitored continuously for all the rainy days for June & July months.
11. The detailed design of ETP proposed may be furnished.
12. ETP flow sheet with quality and quantity for unit operation.
13. Explain the process involved in treating/manufacturing MDF board proposed in the unit.

Accordingly ToRs were issued vide letter dated:19-1-2019. The proponent has submitted the EIA report on 14-3-2019 and the same is placed before the committee for EIA Appraisal

The Proponent and Environment consultant attended the meeting held on 26-4-2019 for EIA Appraisal.

The committee noted that there are certain discrepancies in the categorization of the project for which the proponent has stated that he will come back with due clarifications. Hence the committee decided to defer

The proponent and Environment consultant attended the 222nd meeting held on 10-5-2019. The committee noted that the proponent has given an undertaking Dated: 26-4-2019, that he will withdraw the manufacturing of formaldehyde and his activity will be restricted to manufacture of synthetic resins. When he was invited for the 222nd committee meeting held on 10-5-2019, he insisted to take back that undertaking and he will proceed with the manufacturing of formaldehyde. The committee went through the CPCB documents presented by the proponent regarding the non toxicity of formaldehyde and also the EIA report wherein he has mentioned the liberation of hydrogen during the process of manufacture of formaldehyde. Based on this the committee felt that manufacture of formaldehyde involves toxic effluents and flammable gas.

Hence the committee felt that the proposal has to be categorized under Red category and decided to recommend the proposal to SEIAA for closure.

In the meanwhile the proponent has requested the Authority to consider their project vide letter 28-5-2019.

The Authority in its 168th meeting held on 18-5-2019 perused the proposal and took note of the recommendation of SEAC. The Authority observed certain discrepancies in the proposal with regard to submission of undertaking by proponent dated:26-4-2019 and withdrawing the same. The Authority observed that the State Level Expert Appraisal Committee has got a mandate to make categorical recommendation either for grant of prior Environmental Clearance on stipulated terms and conditions or rejection of the application for prior Environment clearance together with reasons for the same. Whereas, in the instant case the committee has recommended for closure of the file.

The Authority after discussion decided to provide an opportunity of being heard to the proponent and therefore decided to invite the proponent along with the consultant to the next meeting of the Authority and the subject was deferred.

The proponent appeared before the Authority in its 170th meeting held on 4-7-2019 and explained the process involved in manufacturing of formaldehyde and resins. The proponent submitted the following facts in support of his claim that establishment of the proposed unit is environmental sustainable.

- 1) It is an orange category industry as per the entry at Sl.No.1374 - synthetic resins in the list of orange category industries notified by Karnataka State

Pollution Control Board vide Notification dated:14-7-2016 unlike the observation made by the SEAC that it is a red category activity.

- 2) The proposed activity involves an endothermic reaction wherein the hydrogen release during the reaction get burnt within the process due to the hot silver catalyst bed of 400 to 600 degree centigrade.
- 3) The manufacturing of resins involves environmentally sustainable process and hence the MoEF & CC, Gol have issued EC to several such projects. (The proponent produced few copies of such clearances issued by Government of India for ready reference of the Authority)
- 4) The proposed activity is located within an industrial area where several large red category industries have been established.

The proponent was advised to submit a letter incorporating the submissions made during the presentation to the Authority including the above points and addressing all the concerns expressed by the SEAC with due technical/statutory justifications. The Authority after discussion decided to refer the file back to SEAC to appraise the proposal considering the submissions made by the proponent and sent recommendation deemed fit based on merit in accordance with law.

The proponent was invited for the 231st meeting held on 25-9-2019 to provide clarification and additional information. The proponent and Environment consultant were present. The proponent has again reiterated that there is no ban to put up Red category industry in the Adakanahalli Industrial Area and in support of this he has submitted the EC issued for the Adakanahalli Industrial Area Layout wherein the EC is silent about the categories for the industries that are to be put up in this industrial area. He has also submitted the zonal categorization issued by KIADB wherein it is mentioned that the units which are falling under Green, Orange and Red category can be put up in this industrial area.

As far as CER is concerned the proponent has stated that he has earmarked Rs.4.00 lakhs towards taking up water supply, sanitation and water harvesting works in Govt. Maharaja Junior College, Mysore.

Hence, the committee after discussion decided to reconsider after submission of the following information.

- 1) The layout plan has to be revised keeping 33% of the land area for greenery as mandated.
- 2) Flora and fauna to be classified as per Wild life Protection Act 1972 and IUCN 2019 and if there are any schedule-I fauna prepare and submit biodiversity action plan in consultation with forest authorities with required budget backup

- 3) Alternate scheme to treat the effluent within the project site may be worked out and submitted.
- 4) The possibility of putting up DEWAT system for treating 400 litres/day of domestic sewage may be detailed and submitted.
- 5) Use of firewood as a source of fuel for the boiler to be avoided and alternatives may be worked out and submitted

The proponent has submitted the replies during the meeting. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance.

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

232.73 Proposed Residential Apartment Building at Sy.No.20/1, 20/P1, 20/5 of Kammanahalli Village, Begur Hobli, Bengaluru South Taluk, Bengaluru by M/s. Nandi Housing Pvt. Ltd., (SEIAA 67 CON 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Thomas J Ollapally Nandi Housing Pvt Ltd No 46, 36th Main BTM Dollar Scheme, Bengaluru-560068
2	Name & Location of the Project	Proposed Residential Apartment Building at Sy No 20/1, 20/P1, 20/5 Kammanahalli Village, Begur Hobli, Bengaluru South Taluk, Bengaluru by Nandi Housing Pvt. Ltd.
3	Co-ordinates of the Project Site	12°51'26.7"N 77°36'20.1"E.
4	Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,) Doddakammanahalli Lake : 30meter (W) from the project site Primary Nala : 60 meter (N) 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. Doddakammanahalli Lake : 30meter (W) from the project site Primary Nala : 60 meter (N) from the project site
5	Type of Development	

	a.	New/Expansion/Modification	New		
	b.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartment		
	c.	Residential Township/ Area Development Projects	NA		
6	Plot Area (Sqm)		Total Plot Area= 32,374.58 Sq.mts		
7	Built Up area (Sqm)		Built up area: 96,894.43 Sq. m.		
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]		No. of Building Blocks : Block- A, B, C, I, K, L, M= 2B + G + 4 UF Block- D, E,F, G, H, J = 1B + G + 4 UF		
9	Number of units in case of Construction Projects		Units= 508		
10	Number of Plots in case of Residential Township/ Area Development Projects		NA		
11	Project Cost (Rs. In Crores)		127 Crores		
12	Recreational Area in case of Residential Projects / Townships		1618 Sq.mts		
13	Details of Land Use (Sqm)				
	a.	Ground Coverage Area	11,601Sq.mts (35.84%)		
	b.	Kharab Land			
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	3237Sq.mts		
	d.	Internal Roads	1250 Sq.mts		
	e.	Paved area	14,982.03		
	f.	Others Specify	NA		
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA		
	h.	Total	32,374.58 Sq.mts		
14	Details of demolition debris and / or Excavated earth				
	a.	Details of Debris (in cubic meter/ MT) if it involves	Sl.no.	Excavated Soil	Quantity
				Total	87386 cum

	Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	01	Backfilling to be done between boundaries	41080 cum
		02	Backfilling to be done on the backside of retaining walls and underground tank	23784 cum
		03	Top Soil to be used for Landscaping	22522 cum
b.	Total quantity of Excavated earth (in cubic meter)	87386 Cum		
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	87386 cum with in project site		
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	Tanker		
b.	Quantity of water for Construction in KLD	Treated water of around 20 KLD shall be used for construction purposes.		
c.	Quantity of water for Domestic Purpose in KLD	Around 2.25 KLD shall be required for domestic purpose during construction phase.		
d.	Waste water generation in KLD	1,100KLD		
e.	Treatment facility proposed and scheme of disposal of treated water	This shall be obtained through tankers. Temporary Septic tank & Soak pit shall be constructed to treat the sewage generated from construction workers.		
II.	Operational Phase			
a.	Total Requirement of Water in KLD	Fresh	229 KLD	
		Recycled	114 KLD	
		Total	343 KLD	
b.	Source of water	BWSSB		
c.	Waste water generation in KLD	308 KLD		
d.	STP capacity	320 KLD		
e.	Technology employed for Treatment	SBR		
f.	Scheme of disposal of excess treated water if any	i.	Recycled water for Flushing- 114 KLD	
		ii.	Landscaping -35 KLD	
		iii.	Cooling tower- 30 KLD	
		iv.	Plantation and car washing-119 KLD	

16 Infrastructure for Rain water harvesting

a.	Capacity of sump tank to store	100 CUM
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		Roof run off	
	b.	No's of Ground water recharge pits	19 Nos
17		Storm water management plan	Furnished in the EMP Report
18		WASTE MANAGEMENT	
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	General earthwork excavation during the construction phase results in the loosening of the top soil. The excavated soil will be stacked properly at site and the same will be utilized for backfilling and green belt development. Proper compaction and stabilization of the same will be ensured.
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	General Garbage organic of 732 Kgs / day Organic Waste will converted in to manure by organic converter & will be used for landscape development and STP Sludge of 30kg/day Will be dewatered and used back as Manure for gardening.
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Inorganic waste of 488 Kgs / day Disposed through BBMP pick up vehicle
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Around 2 KL per annum of used oil from 3 Generator sets & 10 Nos. of oil filters shall be generated during operational phase. Shall be disposed to authorized recyclers
	d.	Quantity of E waste generation and mode of Disposal as per norms	NA
19		POWER	
	a.	Total Power Requirement - Operational Phase	2000 kw
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	3Nos. x 750 kVA
	c.	Details of Fuel used for DG Set	Diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Total energy savings from the proposed project is 23.74 %.
20		PARKING	
	a.	Parking Requirement as per norms	Total lower basement car parking - 537 cars Total upper basement car parking - 309 cars. Total parking provided - 846 cars.

b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	C
c.	Internal Road width (RoW)	5meter
21	Any other information specific to the project (Specify)	NA

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 223rd meeting held on 28-5-2019 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 noted from the village survey map some discrepancies were noticed about the exact location of the project site for which the proponent has stated that he will come back with necessary clarifications. Hence the committee decided to defer.

The proponent and Environment consultant attended the 231st meeting held on 27-9-2019 and submitted the certified copy indicating the position of the project site in the Sy.No.20. According to which the project site is adjacent to Kammanahalli lake and is on the western side of the project site for which the proponent has stated that he has left 30 meter buffer zone as mandated.

The committee after discussion decided to reconsider after submission of the following information.

- 1) Surface hydrological studies has to done and carrying capacity of nearby nalas may be ascertained and submitted.
- 2) Water balance chart has to be revised taking into consideration the realistic values for other uses and if possible ozonization instead of chlorination for disinfection to be adopted.

The proponent has submitted the replies during the meeting. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% 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.

232.74 Amendment to Proposed Commercial Development (Office facility, Retail Activity and Multi - Level Car Parking (MLCP) Project at Sy.No.52/1, 52/2, 52/3, 52/4, 52/5, 52/6, 52/7 of Hebbal Village, Bangalore North Taluk, Bangalore Dist by M/s. Embassy - KSL Realty Ventures (SEIAA 143 CON 2018)

Sl. No	PARTICULARS		INFORMATION
1	Name & Address of the Project Proponent		H. N. Ravindra M/s. Embassy Groups - KSL Realty Ventures, 1st Floor, Embassy Point, No 150, Infantry Road, Bangalore - 560 001.
2	Name & Location of the Project		Commercial Development (Office facility, Retail Activity and Multi - level Car Parking (MLCP)). Survey Nos. 52/1, 52/2, 52/3, 52/4, 52/5, 52/6 and 52/7 at Hebbal Village, KasabaHobli, Bangalore North Taluk, Bangalore - 560 024.
3	Co-ordinates of the Project Site		Latitude 13°03'06.32"N and Longitude 77°35'47.56"E at MSL 906 m.
4	Environmental Sensitivity		
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Hebbal lake at about 750 m (South West Direction), Nagavara Lake at about 1.5 Kms (South East Direction), Rachenahalli lake at about 2.25 Kms (North East Direction), Amrutahalli lake at about 1.25 Kms (North) 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.	NA
5	Type of Development		
	a.	New/Expansion/Modification	New
	b.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/	Office

		ITES/ Mall/ Hotel/ Hospital /other	
	c.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)		40,265.89 sq m (9 Acres 38 Guntas)
7	Built Up area (Sqm)		2,12,632.36 sq m
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]		Commercial development Project (Office facility, Retail Activity and Multi - level Car Parking (MLCP)) with 3 Blocks. 1. Block 1 comprising of 2B + G + 17UF 2. Block 2 comprising of 2B + G + 17UF 3. Block 3 (MLCP) comprising of 1stF + 13UF
9	Number of units in case of Construction Projects		NA
10	Number of Plots in case of Residential Township/ Area Development Projects		NA
11	Project Cost (Rs. In Crores)		Rs. 800,00,00,000/- (Rupees Eight Hundred Crores Only)
12	Recreational Area in case of Residential Projects / Townships		NA
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	11,786.44sq.m
	b.	Kharab Land	-
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	7,826.56 sq.m(podium landscape - 6,542.64sq m)
	d.	Internal Roads	-
	e.	Paved area	18,301.64sq.m
	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	200 cum construction debris

		and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable							
	b.	Total quantity of Excavated earth (in cubic meter)	78,000 cum						
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	61,000 cum						
	d.	Excess excavated earth (in cubic meter)	17,000 cum						
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	The excess excavated earth will be used for formation activity in the rare end of the project site & will be used for preparation of soil - cement blocks (Used for compound wall and construction workers sheds construction)						
15	WATER								
	I.	Construction Phase							
	a.	Source of water	BWSSB						
	b.	Quantity of water for Construction in KLD	80 KLD						
	c.	Quantity of water for Domestic Purpose in KLD	80 KLD						
	d.	Waste water generation in KLD	72 KLD						
	e.	Treatment facility proposed and scheme of disposal of treated water	The wastewater generated will be treated in Package Sewage Treatment Plant of 80 KLD Capacity and treated water will be reused for dust suppression and construction/curing activities.						
	II.	Operational (Proposed) Phase							
	a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>398</td> </tr> <tr> <td>Recycled</td> <td>332</td> </tr> <tr> <td>Total</td> <td>730</td> </tr> </table>	Fresh	398	Recycled	332	Total	730
Fresh	398								
Recycled	332								
Total	730								
	b.	Source of water	BWSSB						
	c.	Waste water generation in KLD	657 KLD						
	d.	STP capacity	700 KLD						
	e.	Technology employed for Treatment	SBR technology						
	f.	Scheme of disposal of excess	Toilet Flushing, HVAC makeup and						

		treated water if any	landscape development.
16	Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	480 cum
	b.	No's of Ground water recharge pits	27 no's
17	Storm water management plan		The Proponents shall also Provide Recharging Pits along the inner periphery of the boundary wall with recharging pit of size 1.2 m dia x 2.5 m deep spaced at 20 m center to center. These recharging pits are filled with graded media comprising of Boulder at bottom and with coarse aggregates to facilitate percolation of harvested rain water to Recharge Ground Water table.
18	WASTE MANAGEMENT		
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	160 Kgs/day The domestic wastes will be disposed through BBMP authorities.
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1,241 Kgs/day, Organic solid waste from the project will be treated in an Organic Waste Converter and is used as manure for Landscape.
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	1,862 Kgs/day, The inorganic solid waste is proposed to be recycled.
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil from DG Sets of about 500 Litres/annum. Disposed through KSPCB approved and CPCB register waste oil re-processors.
	d.	Quantity of E waste generation and mode of Disposal as per norms	E-waste generated from the existing building is being disposed through E Parisara Pvt. Ltd.,
19	POWER		
	a.	Total Power Requirement -	10,300 KVA

		Operational Phase	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	12 X 1500 kVA capacity DG with acoustics are proposed to be provided with adequate stack height.
	c.	Details of Fuel used for DG Set	High Speed Diesel. Consumption is 315 L/hr for each DG set of 1500 kVA capacity.
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation measures are proposed
20	PARKING		
	a.	Parking Requirement as per norms	2,609Nos
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	'B'
	c.	Internal Road width (RoW)	8 m wide fire driveway provided.
21	Any other information specific to the project (Specify)		-

The proposal was placed before the committee for appraisal.

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

The committee noted that earlier an application was made out to MoEF for the reason the SEIAA was not in existence 1-8-2017. The proponent has stated that MoEF has issued ToR and EIA report was prepared and submitted to MoEF online. The proponent has stated subsequently that he has changed the concept plan proposing 2B+G+17UF in Block 1 and Block 2 reducing the basement from 3BF to 2BF and converting Block 3 which was consisting G+2UF into MLCP with 14 floors. Subsequent to reconstitution of SEIAA the proponent has stated that he is making out application incorporating all these modifications and seeking amended ToRs.

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) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
- 2) Utilization of the entire terrace for solar power generation may be worked out and submitted.

- 3) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
- 4) Rain water harvesting/storage details may be worked out.
- 5) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
- 6) As the site is situated nearer to the Jakkur flying school, the NOC from the concerned authority may be obtained as well as NOC from Airport Authority.
- 7) To submit the Details of trees to be felled and the scheme for development of greenery with the number and kind of tree species as per the norms.
- 8) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.
- 9) Due diligence details to demolish the existing structures may be worked out and submitted.

Accordingly the ToRs were issued vide letter dated:7-12-2018.

The proponent has submitted the EIA report vide letter dated: 25-7-2019.

The proposal is therefore placed before the committee for EIA appraisal.

The Proponent and the Environmental consultant attended the 228th meeting held on 8-8-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form-I, Conceptual plan, EIA Report and clarification/information provided during the meeting. The committee noted from the village survey map that there are no water bodies and nalas within the project site but there is a nala on the eastern side of the project site in another survey number for which the proponent has stated that he has maintained 25 meter buffer from the nala as per norms.

As far as CER is concerned the proponent has stated that he earmark Rs.7.5 crores and out of which Rs.5.0 crores will be spent on the rejuvenation and remediation on the rain devastated Kodagu district and balance Rs.2.5 crores will be spent for listed activities in the EIA report.

The committee after discussion decided to reconsider after submission of the following information.

- 1) The rainwater storage details from the terrace area and paved area has shall be reworked and submitted with required treatment scheme.
- 2) ECBC simulation studies shall be worked out and submitted.
- 3) Water balance chart to be reworked by utilizing HVAC (Aircooled) topup waer for reuse and thus reducing the demand on the fresh water.
- 4) Noise and Air modeling as per norms to be worked out and submitted.
- 5) Land use land cover of study area using high resolution satellite imagery shall be submitted.

- 6) The scheme for going for ozonization instead of chlorination may be worked out and submitted.

The proponent has submitted the replies during the meeting. The committee perused the replies submitted by the proponent and accepted the same.

The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with 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. 15% of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall identify suitable place(KIOSK) 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.

Fresh subjects:

232.75 Proposed Ordinary River Sand Block Project - block No.10 - Nethravathi River Bed at Sy.No.01 of Kadeshivalaya Village, Bantwala Taluk, Dakshina Kannada District (2.80 Ha) by Sri Charan Kumar (SEIAA 642 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Charan Kumar S/o. Sri. Ravindra Salil Jumani Gudde Mane, B Mooda Bantwala Taluk Dakshina Kannada, Karnataka		
2	Name & Location of the Project	Ordinary Sand (Block No. 10) in Nethravathi River Bed an extent of 6.92 Acres (2.80 Ha.) in Adj. Sy. No.01 of Kadeshivalaya Village, Bantwala Taluk, Dakshina Kannada District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12°51'00.5"	E 75°09'45.8"
		B	N 12°50'57.4"	E 75°10'04.1"
		C	N 12°50'59.0"	E 75°10'04.3"
D	N 12°51'02.1"	E 75°09'46.0"		
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest,	Govt. Revenue Land		

	Government Revenue, Gomala, Private/Patta, Other]	
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	2.80 Ha.
9	Actual Depth of sand in the lease area in case of River sand	3.0 m
10	Depth of Sand proposed to be removed in case of River sand	1.0 m
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	47,917Tons/ Annum
14	Quantity of Topsoil/Over burden in cubic meter	None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	963 Tons/ Annum
16	Project Cost (Rs. In Crores)	0.30
17	Environmental Sensitivity	
	a. Nearest Forest	Maninlakuru RF-815m N Uli RF-1.48 Km N-NE Bellippadikodimbadi RF-4.02 Km S-SE Kavalammanur RF-7.6 Km N Tenkakajekar RF-5.38 Km N-NE Bellippadi Nekkiladi RF-8.06 Km E-SE Kabaka RF-6.19 Km S-SW Virakambba RF-5.43 Km SW Kodyamale RF-6.31 Km NW
	b. Nearest Human Habitation	Kadeshivalaya village
	c. Educational Institutes, Hospital	Bantwala-18.1 Km
	d. Water Bodies	The project lies on Nethravathi River
	e. Other Specify	
18	Applicability of General Condition of the EIA Notification, 2006	None
19	Details of Land Use in Ha	
	a. Area for Mining/ Quarrying	2.80 Ha.
	b. Waste Dumping Area	-

	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	-	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		-	
22	Water Requirement			
	a.	Source of water	Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	4.50 KLD
			Domestic	0.50 KLD
			Other	
			Total	5.00KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Nethravathi River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 331 meter and the buffer width of 230 meter has been left on right side and 51 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 21 meter MSL and top level of the sand block is 22.5 meter MSL and the depth of the mining proposed being 1.0 meter and bottom of the mining pit will be 0.5 meter above the dry weather flow level. The proponent has stated that he will take up mining for a depth of 1.0 meter every year and mining will be done in the subsequent years after the full replenishment of the mining pit. As per the quarry plan 95% of the proposed quantity of 2,40,800 tons can be mined safely and scientifically after leaving side slopes of 1:1 ½ for a lease period.

As per the cluster sketch prepared by DMG there are no other leases within the 500 meter radius from this lease area and area being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has stated that he has proposed a stock yard at a distance of 200 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 200 meters and proceeding further to connect all weather road i.e., Kadeshivalaya village road at a overall distance of 300 meters.

As far as CER is concerned the proponent has stated that he has earmarked Rs.10.00 lakhs to take up watershed development works and providing infrastructures like drinking water facility, solar lights etc., to nearby Govt. schools.

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.

232.76 Proposed Ordinary River Sand Block Project - Block No.13 - Kumaradhara River Bed at Sy No.01 of Perabe Village, Puttur Taluk, Dakshina Kannada District (5.559 Acres) by Sri. Monappa Gowda (SEIAA 640 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Monappa Gowda S/o. Sri. Subbanna Gowda Nadoli Mane, Kutrupadi Village Puttur Taluk, Dakshina Kannada Karnataka		
2	Name & Location of the Project	Ordinary Sand Block Kumaradhara-13 (Perabe Block No-01) an extent of 5.559 Acres (2.25 Ha.) in Adj. Sy. No.01 of Perabe Village, Puttur Taluk, Dakshina Kannada District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12 ⁰ 45' 28.9"	E 75 ⁰ 22' 30.7"
		B	N 12 ⁰ 45' 36.4"	E 75 ⁰ 22' 28.7"
		C	N 12 ⁰ 45' 36.1"	E 75 ⁰ 22' 27.0"
		D	N 12 ⁰ 45' 28.2"	E 75 ⁰ 22' 29.1"

		E	N 12 ⁰ 45' 23.1"	E 75 ⁰ 22'33.5"
		F	N 12 ⁰ 45' 23.8"	E 75 ⁰ 22'35.0"
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	5.559 Acres (2.25 Ha.)		
9	Actual Depth of sand in the lease area in case of River sand	4.0 m		
10	Depth of Sand proposed to be removed in case of River sand	1.0 m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	12,642Tons/ Annum		
14	Quantity of Topsoil/Over burden in cubic meter	None		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	258 Tons/ Annum		
16	Project Cost (Rs. In Crores)	0.30		
17	Environmental Sensitivity			
	a. Nearest Forest	Kuntur RF-3.4 Km E Dolpadi RF-3.63 Km E-SE Paikadamale RF-1.99 Km SE Suvar Male RF-3.88 Km N Padnur RF-5.75 KM NE Yenmuru RF-8.73 Km SE KallapattMale RF-5.59 Km S-SW		
	b. Nearest Human Habitation	Perabe village		
	c. Educational Institutes, Hospital	Puttur-26.6 Km		
	d. Water Bodies	The project lies on Kumaradhara River Gundla Hole-4.01 km E-SE Gowri Hole-8.33 Km W		
	e. Other Specify			

18	Applicability of General Condition of the EIA Notification, 2006	None	
19	Details of Land Use in Ha		
	a. Area for Mining/ Quarrying	2.25 Ha.	
	b. Waste Dumping Area	-	
	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	-	
20	Method of Mining/ Quarrying	Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project	-	
22	Water Requirement		
	a. Source of water	Bore well Water	
	b. Total Requirement of Water in KLD	Dust Suppression	5.55 KLD
		Domestic	0.45 KLD
		Other	-
		Total	6.00KLD
23	Storm water management plan	Will be carried out.	
24	Any other information specific to the project (Specify)	None	

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Kumaradhara River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 160 meter and the buffer width of 60 meter has been left on right side and 50 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 66.5 meter MSL and top level of the sand block is 68.5 meter MSL and the depth of the mining proposed being 1.0 meter and bottom of the mining pit will be 1.0 meter above the dry weather flow level. The proponent has stated that he will take up mining sub dividing the block into three equal portion and taking up one block every year for first three years to a depth of one meter and thereafter he will proceed with the mining after full replenishment sub dividing the entire block into two sub blocks and taking up mining in 4th and 5th year in each block for a depth of 0.67 meters every year. As per the quarry plan 95% of the

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proposed quantity of 64,500 tons can be mined safely and scientifically after leaving side slopes of 1:1 ½ for a lease period.

As per the cluster sketch prepared by DMG there are no other leases within the 500 meter radius from this lease area and area being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has stated that he has proposed a stock yard at a distance of 180 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 180 meters and proceeding further to connect all weather road i.e., Alankar Perabe village road at a overall distance of 500 meters.

As far as CER is concerned the proponent has stated that he has earmarked Rs.2.50 lakhs to take up watershed development works and providing infrastructures like drinking water facility, solar lights etc., to nearby Govt. schools.

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.

232.77 Proposed Ordinary River Sand Block Project - Block No.12 - Kumaradhara River Bed at Sy.No.150 of Savanur Village, Puttur Taluk, Dakshina Kannada District (5.06 Acres (2.05 Ha) by Sri. K. Chinnappa (SEIAA 643 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. K. Chinnappa S/o. Sri. Sheshappa 1-297, Kanddije, Savanur Village Puttur Taluk, Dakshina Kannada, Karnataka
2	Name & Location of the Project	Ordinary Sand Block No-Kumaradhara-12 (Savanur Block No-2) an extent of 5.06 Acres

		(2.05 Ha) in Adj. Sy. No.150 of Savanur Village, Puttur Taluk, Dakshina Kannada District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12 ⁰ 45' 04.4"	E 75 ⁰ 18' 51.3"
		B	N 12 ⁰ 45' 09.5"	E 75 ⁰ 19' 07.1"
		C	N 12 ⁰ 45' 10.8"	E 75 ⁰ 19' 06.6"
	D	N 12 ⁰ 45' 05.6"	E 75 ⁰ 18' 50.9"	
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	5.06 Acres (2.05 Ha)		
9	Actual Depth of sand in the lease area in case of River sand	4.0 m		
10	Depth of Sand proposed to be removed in case of River sand	1.0 m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	11,518Tons/ Annum		
14	Quantity of Topsoil/Over burden in cubic meter	None		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	235 Tons/ Annum		
16	Project Cost (Rs. In Crores)	0.25		
17	Environmental Sensitivity			
	a. Nearest Forest	Narimogaru RF- 3.63 Km W-NW Suvamale RF-7.65 Km NE Kunturu RF-8.78 Km E-NE Dolpadi RF-9.3 KM E-SE Paikadamale RF-7.5 Km E-SE Kallapattamale RF-6.16 KM SE Kaniyarmale RF-8.45 Km S-SW		
	b. Nearest Human Habitation	Savanur village		

	c.	Educational Institutes, Hospital	Puttur-10.5 Km	
	d.	Water Bodies	The project lies on Kumaradhara River	
	e.	Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	2.05 Ha.	
	b.	Waste Dumping Area	-	
	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	-	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		-	
22	Water Requirement			
	a.	Source of water	Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	4.60 KLD
			Domestic	0.40 KLD
			Other	
			Total	5.00KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Kumaradhara River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 153 meter and the buffer width of 72 meter has been left on right side and 40 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 60.0 meter MSL and top level of the sand block is 61.5 meter MSL and the depth of the mining proposed being 1.0 meter and bottom of the mining pit will be 0.5 meter above the dry weather flow level. The proponent has stated that he will take up mining sub dividing the block into

three equal portion and taking up one block every year for first three years to a depth of one meter and thereafter he will proceed with the mining after full replenishment sub dividing the entire block into two sub blocks and taking up mining in 4th and 5th year in each block for a depth of 0.67 meters every year. As per the quarry plan 95% of the proposed quantity of 58765 tons can be mined safely and scientifically after leaving side slopes of 1:1 ½ for the lease period.

As per the cluster sketch prepared by DMG there are no other leases within the 500 meter radius from this lease area and area being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has stated that he has proposed a stock yard at a distance of 180 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 180 meters and proceeding further to connect all weather road i.e., Savanuru - Aralhadhi village road at a overall distance of 310 meters.

As far as CER is concerned the proponent has stated that he has earmarked Rs.2.50 lakhs to take up river bank strengthening.

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.

232/78 Proposed Ordinary River Sand Block Project - Block No.18 - Kumaradhara River Bed at Sy.No.112 of Kenya Village, Sulya Taluk, Dakshina Kannada District (5.19 Acres (2.10 Ha) by Sri. Pramod Rai (SEIAA 644 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Pramod Rai S/o. Sri. Anand Rai Panja Hobli, Kenya Village Sulya Taluk, Dakshina Kannada,

		Karnataka		
2	Name & Location of the Project	Ordinary Sand Block No- Kumaradhara-18 (Kenya Block No. 3) an extent of 5.19 Acres (2.10 Ha.) in Adj. Sy. No.112 of Kenya Village, Sulya Taluk, Dakshina Kannada District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12 ⁰ 42' 44.7"	E 75 ⁰ 30' 02.1"
		B	N 12 ⁰ 42' 36.0"	E 75 ⁰ 29' 57.6"
		C	N 12 ⁰ 42' 36.8"	E 75 ⁰ 29' 55.8"
	D	N 12 ⁰ 42' 45.8"	E 75 ⁰ 29' 59.7"	
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	5.19 Acres (2.10 Ha.)		
9	Actual Depth of sand in the lease area in case of River sand	4.0 m		
10	Depth of Sand proposed to be removed in case of River sand	1.0 m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	11799 Tons/ Annum		
14	Quantity of Topsoil/Over burden in cubic meter	None		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	241 Tons/ Annum		
16	Project Cost (Rs. In Crores)	0.25		
17	Environmental Sensitivity			
	a. Nearest Forest	Mujur RF-4.15 Km NE Kombar RF-6.16 Km E-NE Balpa RF-4.80 Km SE Yennu RF-1.50 Km SW Dolpadi RF-5.59 Km W-NW		

			Kunturu RF-7.18 Km W-NW Konaje RF-6.5 Km N	
	b.	Nearest Human Habitation	Kenya village	
	c.	Educational Institutes, Hospital	Sulya-31.1 Km	
	d.	Water Bodies	The project lies on Kumaradhara River	
	e.	Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006		None	
19	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	210 Ha.	
	b.	Waste Dumping Area	-	
	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	-	
20	Method of Mining/ Quarrying		Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project		-	
22	Water Requirement			
	a.	Source of water	Bore well Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	4.55 KLD
			Domestic	0.45 KLD
			Other	
			Total	5.00KLD
23	Storm water management plan		Will be carried out.	
24	Any other information specific to the project (Specify)		None	

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Kumaradhara River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 173 meter and the buffer width of 69 meter has been left on right side and 34 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 93.50 meter MSL and top level of the sand block is 95.0 meter MSL and the depth of the mining proposed being

1.0 meter and bottom of the mining pit will be 0.5 meter above the dry weather flow level. The proponent has stated that he will take up mining sub dividing the block into three equal portion and taking up one block every year for first three years to a depth of one meter and thereafter he will proceed with the mining after full replenishment sub dividing the entire block into two sub blocks and taking up mining in 4th and 5th year in each block for a depth of 0.67 meters every year. As per the quarry plan 95% of the proposed quantity of 60,200 tons can be mined safely and scientifically after leaving side slopes of 1:1 ½ for the lease period.

As per the cluster sketch prepared by DMG there are two leases including this lease and combined area of these being 4.18 Ha. within the 500 meter radius from this lease area and area being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has stated that he has proposed a stock yard at a distance of 200 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 200 meters and proceeding further to connect all weather road i.e., Kenya - Panja village road at a overall distance of 770 meters.

As far as CER is concerned the proponent has stated that he has earmarked Rs.2.50 lakhs to take up river bank strengthening.

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.

232.79 Proposed Ordinary River Sand in Nethravathi River Bed Block No.16 at Sy.No.16 at Sy.No.126 of Petrame Village, Belthangadi Taluk, Dakshina Kannada District (4.94 Acres) (2.00 Ha) by Sri. K.A Joy (SEIAA 646 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project	Sri. K. A. Joy

	Proponent	2/42. Hosagadde Mane Chibidre, Kakkanje Belthangadi Taluk Dakshina Kannada, Karnataka		
2	Name & Location of the Project	Ordinary Sand (Block No. 16) in Nethravathi River Bed an extent of 4.94 Acres (2.00 Ha.) in Adj. Sy. No.126 of Petrame Village, Belthangadi Taluk, Dakshina Kannada District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12° 54' 28.83"	E 75° 20' 52.48"
		B	N 12° 54' 30.30"	E 75° 20' 55.71"
		C	N 12° 54' 29.00"	E 75° 20' 56.47"
		D	N 12° 54' 27.60"	E 75° 20' 53.50"
		E	N 12° 54' 22.70"	E 75° 20' 49.50"
		F	N 12° 54' 16.40"	E 75° 20' 48.90"
		G	N 12° 54' 16.50"	E 75° 20' 47.40"
	H	N 12° 54' 23.10"	E 75° 20' 48.60"	
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	4.94 Acres (2.00 Ha.)		
9	Actual Depth of sand in the lease area in case of River sand	4.0 m		
10	Depth of Sand proposed to be removed in case of River sand	1.0 m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	NA		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	10,788Tons/ Annum		
14	Quantity of Topsoil/Over burden in cubic meter	None		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	220 Tons/ Annum		

16	Project Cost (Rs. In Crores)	0.25	
17	Environmental Sensitivity		
	a. Nearest Forest	Dadanthamale RF- Dharmastala Mundaje RF-5.93 Km NE Nidle RF-6.48 Km E Suvar Male RF-7.85 Km S-SE Nerankimale RF-1.7 Km S Dondalarabi RE-6.83 Km NW	
	b. Nearest Human Habitation	Petrane village	
	c. Educational Institutes, Hospital	Belthangadi-37.7 Km	
	d. Water Bodies	The project lies on Nethravathi River Neriya Hole-3.11 Km NE Uppar Halla-3.27 Km S-SW Belthangadi Hole-3.42 Km SW	
	e. Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006	None	
19	Details of Land Use in Ha		
	a. Area for Mining/ Quarrying	2.00 Ha.	
	b. Waste Dumping Area	-	
	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	-	
20	Method of Mining/ Quarrying	Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project	-	
22	Water Requirement		
	a. Source of water	Bore well Water	
	b. Total Requirement of Water in KLD	Dust Suppression	4.60 KLD
		Domestic	0.40 KLD
		Other	
		Total	5.00KLD
23	Storm water management plan	Will be carried out.	
24	Any other information specific to the project (Specify)	None	

The Proponent and Environment Consultant attended the 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Nethravathi River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 130 meter and the buffer width of 39 meter has been left on right side and 44 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 41.25 meter MSL and top level of the sand block is 43.0 meter MSL and the depth of the mining proposed being 1.0 meter and bottom of the mining pit will be 0.75 meter above the dry weather flow level. The proponent has stated that he will take up mining for a depth of 1.0 meter every year and mining will be done in the subsequent years after the full replenishment of the mining pit. . The proponent has stated that he will take up mining sub dividing the block into three equal portion and taking up one block every year for first three years to a depth of one meter and thereafter he will proceed with the mining after full replenishment sub dividing the entire block into two sub blocks and taking up mining in 4th and 5th year in each block for a depth of 0.67 meters every year. As per the quarry plan 95% of the proposed quantity of 55,040 tons can be mined safely and scientifically after leaving side slopes of 1:1 ½ for the lease period.

As per the cluster sketch prepared by DMG there are no other leases within the 500 meter radius from this lease area and area being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has stated that he has proposed a stock yard at a distance of 200 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 200 meters and proceeding further to connect all weather road i.e., Petrame - Bellale village road at a overall distance of 450 meters.

As far as CER is concerned the proponent has stated that he has earmarked Rs.2.50 lakhs to take up river bank strengthening by bio mechanical measures.

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.

232.80 Proposed Ordinary River Sand Project at Sy.No.01 of Perabe Village, Puttur Taluk, Dakshina Kannada District (6.92 Acres) 2.80 Ha) by Sri P.P Eliyas (SEIAA 648 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. P.P. Eliyas S/o. Sri. Paulochana Darji Majalu Mane, Nuji Balthila Kadaba Hobli, Puttur Taluk Dakshina Kannada, Karnataka		
2	Name & Location of the Project	Ordinary Sand Block No-Kumaradhara-14 (Perabe Block No-2) an extent of 6.92 Acres (2.80 Ha.) in Adj. Sy. No.01 of Perabe Village, Puttur Taluk, Dakshina Kannada District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12 ⁰ 44' 43.5"	E 75 ⁰ 23' 50.7"
		B	N 12 ⁰ 44' 39.1"	E 75 ⁰ 23' 36.9"
		C	N 12 ⁰ 44' 41.8"	E 75 ⁰ 23' 29.2"
		D	N 12 ⁰ 44' 40.6"	E 75 ⁰ 23' 28.7"
		E	N 12 ⁰ 44' 37.7"	E 75 ⁰ 23' 37.0"
F	N 12 ⁰ 44' 42.3"	E 75 ⁰ 23' 51.2"		
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomala, Private/Patta, Other]	Govt. Revenue Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	6.92 Acres (2.80 Ha.)		
9	Actual Depth of sand in the lease area in case of River sand	4.0 m		
10	Depth of Sand proposed to be removed in case of River sand	1.0 m		
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-		
12	Measurements of the existing	NA		

	quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand		
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	15,732Tons/ Annum	
14	Quantity of Topsoil/Over burden in cubic meter	None	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	321 Tons/ Annum	
16	Project Cost (Rs. In Crores)	0.30	
17	Environmental Sensitivity		
	a. Nearest Forest	Kunturu RF-3.63 Km NE Dalpadi RF-1.02 Km SE Paikadamale RF-400m W-SW Pandnuru RF-6.32 Km NE Yenmuru RF-6.07 Km SE Kalluttamale RF-5.35 Km S-SW Suvar Male RF-5.22 Km N-NW	
	b. Nearest Human Habitation	Perabe village	
	c. Educational Institutes, Hospital	Puttur-26.6 Km	
	d. Water Bodies	The project lies on Kumaradhara River	
	e. Other Specify		
18	Applicability of General Condition of the EIA Notification, 2006	None	
19	Details of Land Use in Ha		
	a. Area for Mining/ Quarrying	2.80 Ha.	
	b. Waste Dumping Area	-	
	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	-	
20	Method of Mining/ Quarrying	Opencast Semi-mechanized	
21	Rate of Replenishment in case River sand project	-	
22	Water Requirement		
	a. Source of water	Bore well Water	
	b. Total Requirement of Water in KLD	Dust Suppression	5.45 KLD
		Domestic	0.55 KLD
		Other	

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		Total	6.00KLD
23	Storm water management plan	Will be carried out.	
24	Any other information specific to the project (Specify)	None	

The Proponent and Environment Consultant attended 232nd meeting held on 17-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving sand mining in Kumaradhara River Bed. The proponent has got this lease through public auction. As per the quarry plan the average width of the river at the lease area is 138 meter and the buffer width of 44 meter has been left on right side and 54 meter on the left side of the river. The proponent has stated that the average dry weather flow in the lease area is 66.25 meter MSL and top level of the sand block is 68.0 meter MSL and the depth of the mining proposed being 1.0 meter and bottom of the mining pit will be 0.75 meter above the dry weather flow level. The proponent has stated that he will take up mining sub dividing the block into three equal portion and taking up one block every year for first three years to a depth of one meter and thereafter he will proceed with the mining after full replenishment sub dividing the entire block into two sub blocks and taking up mining in 4th and 5th year in each block for a depth of 0.67 meters every year. As per the quarry plan 95% of the proposed quantity of 80,265 tons can be mined safely and scientifically after leaving side slopes of 1:1 ½ for the lease period.

As per the cluster sketch prepared by DMG there are no other leases within the 500 meter radius from this lease area and area being less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

The proponent has stated that he has proposed a stock yard at a distance of 150 meter from the lease area on a private land for which an MOU has been entered with the land owner.

As far as approach road is concerned there is an existing cart track road connecting stock yard at a distance of 150 meters and proceeding further to connect all weather road i.e., Perabe - Kunthur village road at a overall distance of 600 meters.

As far as CER is concerned the proponent has stated that he has earmarked Rs.3.0 lakhs to take up river bank strengthening by bio mechanical methods.

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.

232.81 Proposed Building Stone Quarry Project at Sy.No.318 of Bandihalli Village, Kunigal Taluk, Tumkur District (3-00 Acres) by B.S Madhe Gowda (SEIAA 665 MIN 2019)

Sl. No	PARTICULARS	INFORMATION																		
1	Name & Address of the Project Proponent	B S Madhe Gowda, S/o Siddegowda #46, Boppasamudra Village, C A Kere Hobli Maddur Taluk, Menasagere, Mandya District - 571422																		
2	Name & Location of the Project	Building Stone Quarry 3 Acres in Sy.No. 318 Bandihalli Village, Hulyurdurga Hobli, Kunigal Taluk and 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>12° 46' 43.1" N</td> <td>77° 02' 20.2" E</td> </tr> <tr> <td>B</td> <td>12° 46' 44.1" N</td> <td>77° 02' 23.8" E</td> </tr> <tr> <td>C</td> <td>12° 46' 38.3" N</td> <td>77° 02' 21.8" E</td> </tr> <tr> <td>D</td> <td>12° 46' 38.1" N</td> <td>77° 02' 20.3" E</td> </tr> </tbody> </table>	Gps Co-Ordinates Datum-Wgs-84			Boundary Points	Lattitude	Longitude	A	12° 46' 43.1" N	77° 02' 20.2" E	B	12° 46' 44.1" N	77° 02' 23.8" E	C	12° 46' 38.3" N	77° 02' 21.8" E	D	12° 46' 38.1" N	77° 02' 20.3" E
Gps Co-Ordinates Datum-Wgs-84																				
Boundary Points	Lattitude	Longitude																		
A	12° 46' 43.1" N	77° 02' 20.2" E																		
B	12° 46' 44.1" N	77° 02' 23.8" E																		
C	12° 46' 38.3" N	77° 02' 21.8" E																		
D	12° 46' 38.1" N	77° 02' 20.3" E																		
4	Type of Mineral	Building Stone																		
5	New / Expansion / Modification / Renewal	New																		
6	Type of Land [Forest, Government Revenue, Gomal,	Govt. Gomala Lands																		

	Private/Patta, Other]		
7	Whether the project site fall within ESZ/ESA	Not Applicable	
8	Area in Ha	1.214 Ha. (3-00 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 1,12,000 tons per annum.	
14	Quantity of Topsoil/Over burden in cubic meter	Nil	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	The proposed to be generations of waste about 17,320 Tons for Five Years	
16	Project Cost (Rs. In Crores)	0.60 Crore	
17	Approach rod	There is approach road closeby to the quarry site at a distance of 600 m (by road).	
18	Details of Land Use: (3-00 acres)	Area in Sqm	Area in Acres
	a. Quarry Area	8,300	2- 02
	b. Mineral Storage Yard	200	0 - 02
	c. Waste Dump Yard	150	0 - 01
	d. Quarry Infrastructure	0	0
	e. Roads/ Country Track	0	0
	f. Un trenched area	0	0
	g. Buffer Zone	3,490	0 - 35
	Total	12,140	3 - 00
19	Method of Mining/ Quarrying	Semi Mechanized Method of opencast quarrying	
20	Water Requirement	03 KLD	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 18-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a building stone quarry in Govt. land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease has been notified on 25-7-2019 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is a level difference of one meters and taking this into consideration committee opined that 45% of the proposed quantity of 1,81,666 cum or 4,63449 tons can be mined safely and scientifically and safely within the lease period for a quarry pit depth of 20 meters.

The proponent has also submitted extended cluster sketch prepared by the DMG in which seven leases are within the 500 meter radius from this lease and out of which two leases with a combined area of 5 Acres 20 guntas have expired and two leases with a combined area of 4 Acres for which the leases were granted earlier to 9-9-2013. Based on this proponent requested not to consider these four leases for cluster effect. Leaving out these four leases the combined area of three remaining leases is 8 Acres 20 guntas which is less than the threshold limit of 5 Ha. committee decided to categorise this under B2 category and proceeded with the appraisal accordingly.

The proponent has also stated that there is a existing cart track road to a length of 500 meters joining the lease area to all weather road black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

As far as CER is concerned the proponent has stated that he has earmarked Rs.4.50 lakhs to take up rejuvenation of Bandihalli tank which is a distance of 1.60 KM from the lease area.

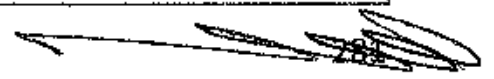
The committee after discussion decided to recommend the proposal to SEIAA to issue Environment Clearance with the following conditions:

1. Safe drinking water has to be provided at the quarry site.
2. Dust suppression measures have to be strictly followed.

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

232.82 Proposed Building Stone Quarry Project at Sy.No.318 of Bandihalli Village, Kunigal Taluk, Tumkur District (1-20 Acres) by B.S Madhe Gowda (SEIAA 666 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	B S Madhe Gowda, S/o Siddegowda



		#46, Boppasamudra Village, C A KereHobli Maddur Taluk, Menasagere, Mandya District - 571422																		
2	Name & Location of the Project	Building Stone Quarry 1 Acre 20 Gunats in Sy.No. 318 Bandihalli Village, HulyurdurgaHobli, Kunigal Taluk and 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>12° 46' 43.1" N</td> <td>77° 02' 20.2" E</td> </tr> <tr> <td>B</td> <td>12° 46' 44.1" N</td> <td>77° 02' 23.8" E</td> </tr> <tr> <td>C</td> <td>12° 46' 38.3" N</td> <td>77° 02' 21.8" E</td> </tr> <tr> <td>D</td> <td>12° 46' 38.1" N</td> <td>77° 02' 20.3" E</td> </tr> </tbody> </table>	Gps Co-Ordinates Datum-Wgs-84			Boundary Points	Lattitude	Longitude	A	12° 46' 43.1" N	77° 02' 20.2" E	B	12° 46' 44.1" N	77° 02' 23.8" E	C	12° 46' 38.3" N	77° 02' 21.8" E	D	12° 46' 38.1" N	77° 02' 20.3" E
Gps Co-Ordinates Datum-Wgs-84																				
Boundary Points	Lattitude	Longitude																		
A	12° 46' 43.1" N	77° 02' 20.2" E																		
B	12° 46' 44.1" N	77° 02' 23.8" E																		
C	12° 46' 38.3" N	77° 02' 21.8" E																		
D	12° 46' 38.1" N	77° 02' 20.3" E																		
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	0.607 Ha. (1-20 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 30,000 tons per annum.																		
14	Quantity of Topsoil/Over burden in cubic meter	Nil																		

15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	The proposed to be generations of waste about 4,639 Tons for Five Years	
16	Project Cost (Rs. In Crores)	0.35 Crore	
17	Approach rod	There is approach road closeby to the quarry site at a distance of 600 m (by road).	
18	Details of Land Use: (1-20 acres)	Area in Sqm	Area in Acres
	a. Quarry Area	3,500	0 - 35
	b. Mineral Storage Yard	198	0 - 02
	c. Waste Dump Yard	0	0
	d. Quarry Infrastructure	0	0
	e. Roads/ Country Track	0	0
	f. Un trenched area	0	0
	g. Buffer Zone	2,372	0 - 23
	Total	6,070	1 - 20
19	Method of Mining/ Quarrying	Semi Mechanized Method of opencast quarrying	
20	Water Requirement	03 KLD	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 18-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a building stone quarry in Govt. land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., The lease has been notified on 25-7-2019 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is a level difference of 3 meter and taking this into consideration committee opined that 70% of the proposed proved quantity of 48,080 cum or 1,22,657 tons can be mined safely and scientifically and safely within the lease period for a quarry pit depth of 16 meters.

The proponent has also submitted extended cluster sketch prepared by the DMG in which seven leases are within the 500 meter radius from this lease and out of which two leases with a combined area of 5 Acres 20 guntas have expired and two leases with a combined area of 4 Acres for which the leases were granted earlier to 9-9-2013. Based on this proponent requested not to consider these four leases for cluster effect. Leaving out these four leases the combined area of three remaining leases is 8 Acres 20 guntas which is less than the threshold limit of 5 Ha. committee decided to categorise this under B2 category and proceeded with the appraisal accordingly.

The proponent has also stated that there is a existing cart track road to a length of 500 meters joining the lease area to all weather road black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

As far as CER is concerned the proponent has stated that he has earmarked Rs.2.50 lakhs to take up rejuvenation of Bandihalli tank which is a distance of 1.60 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.83 Proposed Building Stone Quarry Project at Sy.No.318 of Bandihalli Village, Kunigal Taluk, Tumkur District (4-00 Acres) by Smt B.M Chandrakala (SEIAA 667 MIN 2019)

Sl No	PARTICULARS	INFORMATION																								
1	Name & Address of the Project Proponent	Smt. B M Chandrakala, W/o Sri. N.C. Prasanna Kumar #663, Somanahalli Maddur Taluk Mandya District - 571429																								
2	Name & Location of the Project	Building Stone Quarry 4 Acres in Sy.No. 318 Bandihalli Village, HuliurdurgaHobli, Kunigal Taluk and 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>12° 46' 38.5" N</td> <td>77° 02' 26.2" E</td> </tr> <tr> <td>B</td> <td>12° 46' 38.8" N</td> <td>77° 02' 29.2" E</td> </tr> <tr> <td>C</td> <td>12° 46' 30.1" N</td> <td>77° 02' 29.5" E</td> </tr> <tr> <td>D</td> <td>12° 46' 29.3" N</td> <td>77° 02' 28.1" E</td> </tr> <tr> <td>E</td> <td>12° 46' 35.3" N</td> <td>77° 02' 27.8" E</td> </tr> <tr> <td>F</td> <td>12° 46' 34.8" N</td> <td>77° 02' 27.0" E</td> </tr> </tbody> </table>	Gps Co-Ordinates Datum-Wgs-84			Boundary Points	Lattitude	Longitude	A	12° 46' 38.5" N	77° 02' 26.2" E	B	12° 46' 38.8" N	77° 02' 29.2" E	C	12° 46' 30.1" N	77° 02' 29.5" E	D	12° 46' 29.3" N	77° 02' 28.1" E	E	12° 46' 35.3" N	77° 02' 27.8" E	F	12° 46' 34.8" N	77° 02' 27.0" E
Gps Co-Ordinates Datum-Wgs-84																										
Boundary Points	Lattitude	Longitude																								
A	12° 46' 38.5" N	77° 02' 26.2" E																								
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C	12° 46' 30.1" N	77° 02' 29.5" E																								
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E	12° 46' 35.3" N	77° 02' 27.8" E																								
F	12° 46' 34.8" N	77° 02' 27.0" E																								
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	1.618 Ha. (4-00 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 1,26,053 tons per annum.	
14	Quantity of Topsoil/Over burden in cubic meter	Nil	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	The proposed to be generations of waste about 119,493 Tons for Five Years	
16	Project Cost (Rs. In Crores)	0.60 Crore	
17	Approach rod	There is approach road closeby to the quarry site at a distance of 600 m (by road).	
18	Details of Land Use: (4-00 acres)	Area in Sqm	Area in Acres
	a. Quarry Area	9,930	2 - 18
	b. Mineral Storage Yard	194	0 - 02
	c. Waste Dump Yard	0	0
	d. Quarry Infrastructure	0	0
	e. Roads/ Country Track	0	0
	f. Un trenched area	800	0 - 08
	g. Buffer Zone	5,263	1 - 12
	Total	16,187	4 - 00
19	Method of Mining/ Quarrying	Semi Mechanized Method of opencast quarrying	
20	Water Requirement	03 KLD	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a building stone quarry in Govt. land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept.,. The lease has been notified on 25-7-2019 and also he has stated that the quarry plan has also been got approved from the DMG. As seen from the quarry plan there is a level difference of 6 meter and taking this into consideration committee opined that 55% of the proposed proved quantity of 2,07,555 cum or 5,29,494 tons can be mined safely and scientifically and safely within the lease period for a quarry pit depth of 20 meters.

The proponent has also submitted extended cluster sketch prepared by the DMG in which seven leases are within the 500 meter radius from this lease and out of which two leases with a combined area of 5 Acres 20 guntas have expired and two leases with a combined area of 4 Acres for which the leases were granted earlier to 9-9-2013. Based on this proponent requested not to consider these four leases for cluster effect. Leaving out these four leases the combined area of three remaining leases is 8 Acres 20 guntas which is less than the threshold limit of 5 Ha. committee decided to categorise this under B2 category and proceeded with the appraisal accordingly.

The proponent has also stated that there is a existing cart track road to a length of 500 meters joining the lease area to all weather black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

As far as CER is concerned the proponent has stated that he has earmarked Rs.6.00 lakhs to take up rejuvenation of Bandihalli tank which is a distance of 1.60 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.84 Proposed Building Stone Quarry Project at Sy.No.43 of Somashettihalli Village, Arasikere Taluk, Hassan District (Q.L No.HMG-464) (3-00 Acres) by Smt. H.D Pushpavathi(SEIAA 696 MIN 2019)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Smt. H. D. Pushpavathi W/o K. M. Shivalingegowda, No - 3463, Maruthi nagara, Arasikere Taluk & Post, Hassan District, Karnataka.		
2	Name & Location of the Project	"Building Stone Quarry" of Smt. H. D. Pushpavathi Sy. No. 43, Somashettihalli village, Arasikere Taluk, Hassan District, Karnataka.		
3	Co-ordinates of the Project Site	Corner Pillar	Latitude	Longitude
		A	N 13° 28' 58.0"	E 76° 17' 25.0"
		B	N 13° 28' 57.3"	E 76° 17' 23.4"
		C	N 13° 28' 00.6"	E 76° 17' 22.0"
		D	N 13° 28' 02.2"	E 76° 17' 25.3"
		E	N 13° 28' 58.6"	E 76° 17' 26.1"
WGS-84 DATUM				
4	Type of Project	Building Stone		
5	New / Expansion / Modification / Renewal	Expansion (QL No. HMG - 464)		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Gomala Land		
7	Whether the project site fall within ESZ/ESA	No		
8	Area in Ha	1.214 Ha		
9	Actual Depth of sand in the lease area in case of River sand	NA		
10	Depth of Sand proposed to 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	It's Building Stone.		
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Not worked		
13	Annual Production Proposed	2,00,000TPA		

	(Metric Tons/ CUM) / Annum		
14	Quantity of Topsoil/Over burden in cubic meter	4,300 m3 is available	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	10,526TPA	
16	Project Cost (Rs. In Crores)	1.30crores	
17	Environmental Sensitivity		
	a. Nearest Forest	Chakkana Katte State Forest - 3.80 Kms (SW) Garudangiri Reserved Forest - 4.20 Kms (W)	
	b. Nearest Human Habitation	Somashettihalli village - 1.75 kms(NW)	
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Arasikere - 19.60 kms (S)	
	d. Water Bodies	Gollarahallipond-1.70Kms(S)	
	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	2-05	
	b. Waste Dumping Area	0-02	
	c. Top Soil yard		
	d. Mineral Storage Area	0-01	
	e. Infrastructure Area		
	f. Road Area	0-02	
	g. Green Belt Area	0-30	
	h. Unexplored area	--	
	i. Others Specify	--	
20	Method of Mining/ Quarrying	Semi Mechanised Method	
21	Rate of Replenishment in case River sand project	NA	
22	Water Requirement		
	a. Source of water	Borewell from the village	
	b. Total Requirement of Water in KLD	Dust Suppression	10.03KLD
		Domestic	1.22KLD
		Other	1.55KLD
		Total	12.8 KLD
23	Storm water management plan	Drains will be constructed along the boundary of activity area	
24	Any other information specific to the project (Specify)	NA	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a old lease which as granted during the year 2009 and as per the audit report furnished by the DMG the lease has been operated upto 2012-13 and total quantity mined is 2,710 tons. Subsequently, an EC was issued by DEIAA during the year 16-5-2017 and the proponent has stated he has just commenced the mining activity based on this EC. Now this proposal is for increased quantities. As per the quarry plan there is a level difference of 30 meter within the mining area and taking this into consideration and also the fact that he has already mined 2,710 tons or 1018 cum in previous years the committee opined 60% of the proposed proved quantity of 12,69,357 tons or 4,77,000 cum can be mined safely and scientifically over a quarry pit depth of 20 meters. As far as the cluster map is concerned the proponent has requested to exempt this quarry from cluster effect in view of the fact the lease was granted originally in the year 2009 i.e., prior to 9-9-2013.

The proponent has also stated that there is a existing cart track road to a length of 480 meters joining the lease area to all weather black topped road. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

As far as CER is concerned the proponent has stated that he has earmarked Rs.15.00 lakhs to take up rejuvenation of Gollarahalli pond which is a distance of 1.60 KM from the lease area.

The committee after discussion decided to recommend the proposal to SEIAA to issue 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.

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

232.85 Proposed Pink Granite Quarry Project at Sy.No.3(P) of Gundur S.BVillage, Hungund Tq,Bagalkote District (6-00 Acres) by M/s Kshiya Granites Pvt Ltd(SEIAA 661 MIN 2019)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s Kshiya Granites Private Ltd Ward No. 2 Near Durgamma Sedabhavi Shivapra, Bellary District Karnataka - 583135
2	Name & Location of the Project	Pink Granite Quarrying Plan Sy No 3 part of

		Gudur S B Village, Hungund Taluk & Bagalkot District, Karnataka State		
3	Co-ordinates of the Project Site	Gps Co-Ordinates Datum-WGS-84		
		GPS Points	Latitude	Longitude
		A	15° 56' 20.50'' N	76° 08' 17.50'' E
		B	15° 56' 21.90''N	76° 08' 12.70'' E
		C	15° 56' 17.10''N	76° 08' 11.40'' E
D	15° 56' 15.20''N	76° 08' 16.10'' E		
4	Type of Mineral	Pink Granite		
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	Not Applicable		
8	Area in Ha	2.12 Ha. (6-00 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 1,27,824cum		
14	Quantity of Topsoil/Over burden in cubic meter	Nil		
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Khandas 85,216 cum Wastage 5,96,512 cum		
16	Project Cost (Rs. In Crores)	0.60 Crore		
17	Approach road	There is approach road closeby to the quarry site at a distance of 500 m (by road).		
18	Details of Land Use: (4-00 acres)	Area in Sqm	Area in Acres	
a.	Quarry Area	10,115	2 - 20	
b.	Mineral Storage Yard	0	0	

	c.	Waste Dump Yard	4856	1 - 08
	d.	Quarry Infrastructure	203	0 - 02
	e.	Roads/ Country Track	0	0
	f.	Un trenched area	4047	1 - 00
	g.	Others(Mineral stock)	406	0 - 04
	h.	Buffer Zone	4,654	1 - 06
		Total	24,281	6 - 00
19		Method of Mining/ Quarrying	Semi Mechanized Method of opencast quarrying	
20		Water Requirement	04 KLD	

The proposal was placed before the committee for appraisal as per the above furnished information by the proponent.

The Proponent and Environment Consultant attended the 232nd meeting held on 19-10-2019 to provide clarification/additional information.

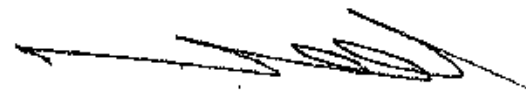
The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report, approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal involving Pink Granite Quarry in patta land. The proponent has stated that the proponent has obtained NoCs from Revenue, Forest Department and also obtained land conversion order. The lease has been notified on 22-6-2018.

As seen from the mining plan there is a level difference of 3 meters within the mining area and taking this into consideration the committee opined that the proposed gross quantity of 127824 cum of pink granite blocks and 85216cum khandus for a lease period can be mined safely and scientifically to a quarry pit depth of 20meters.. The proponent has stated that the recovery is 30% and the waste is 70%. For waste handling the proponent has stated that he has earmarked 1 Acre 8 Guntas of land.

As per the cluster sketch prepared by DMG there are five leases within the 500 meter radius and leases for four leases were granted prior to 9.9.2013 and the area applied for EC is less than the threshold limit of 5 Ha. the committee decided to categorise this project under B2 category and proceeded with the appraisal accordingly. The proponent has also stated that the project does not fall within 10 KM radius from National park/Wildlife sanctuary.

As far as approach road is concerned the proponent has stated that there is an existing cart track road to a length of 500 meters connecting lease area to NH13.

As far as CER is concerned the proponent has stated that he has earmarked Rs.10.00 lakhs to take up rejuvenation of Chickkodagali lake which is at a distance of 3 KM from the project site.



The committee after discussion decided to recommend the proposal to SELAA to issue 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.

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

232.86 Proposed Human Space Flight Centre & Astronaut Training Centre with Residential Township Project at Sy.No01 of Ullarthy Village, Challakere Taluk, Chitradurga District by M/s. Indian Space Research Organization (SELAA 130 CON 2019)

Sl No	PARTICULARS	INFORMATION																								
1	Name & Address of the Project Proponent	HSFC, ISRO HQ, Antriksh Bhavan, New BEL Road, Bengaluru 560094.																								
2	Name & Location of the Project	Establishment of Human Space Flight Centre at Ullarthy village, and township at Kudapura village Challakere Taluk, Chitradurga district, Karnataka..																								
3	Co-ordinates of the Project Site	<table border="1"> <thead> <tr> <th colspan="2">HSFC</th> </tr> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>14°23'14.26"N</td> <td>76°44'4.43"E</td> </tr> <tr> <td>14°22'53.90"N</td> <td>76°42'47.13"E</td> </tr> <tr> <td>14°23'11.10"N</td> <td>76°42'40.45"E</td> </tr> <tr> <td>14°23'46.97"N</td> <td>76°43'53.28"E</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">Township</th> </tr> <tr> <th>Latitude</th> <th>Latitude</th> </tr> </thead> <tbody> <tr> <td>14°26'29.21"N</td> <td>14°26'29.21"N</td> </tr> <tr> <td>14°25'48.02"N</td> <td>14°25'48.02"N</td> </tr> <tr> <td>14°25'55.43"N</td> <td>14°25'55.43"N</td> </tr> <tr> <td>14°26'33.00"N</td> <td>14°26'33.00"N</td> </tr> </tbody> </table>	HSFC		Latitude	Longitude	14°23'14.26"N	76°44'4.43"E	14°22'53.90"N	76°42'47.13"E	14°23'11.10"N	76°42'40.45"E	14°23'46.97"N	76°43'53.28"E	Township		Latitude	Latitude	14°26'29.21"N	14°26'29.21"N	14°25'48.02"N	14°25'48.02"N	14°25'55.43"N	14°25'55.43"N	14°26'33.00"N	14°26'33.00"N
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4	Environmental Sensitivity																									
	a. Distance From nearest Lake/River/Nala	No Lake/River/Nala is passing in cloase vicinity to project site. Vani Vilas sagar dam is about 60 km from project site.																								
	b. Distance from Protected area notified under wildlife protection act	There is no protected wild life area in the study area of 10 km radius.																								
	c. Distance from the interstate boundary	Karnataka- Andhra Pradesh about interstate boundary 16.4 km from the project site																								

	d.	whether located in critically/severely polluted area as per the CPCB norms	No
5		Type of Development as per schedule of EIA Notification, 2006 with relevant serial number	Township and area development projects Category of project - Sl. No. 8(b) Category- (B). 'B1'
6		New/Expansion/Modification/Product mix change	New
7		Plot Area (Sq. m)	HSFC Total Area : 473 acre (191.49 ha) Township Total Area : 100 acre (40.4 ha)
8		Built Up area (Sq. m)	HSFC Built-up area: 1,43,000 m ² Township Built-up area: 1,06,200 m ²
9		Component of developments	Township and area development projects
10		Project cost (Rs. In Crore)	Approx. Rs. 2,812 Crore
11		Details of Land Use (Sq. m)ok	
	a.	Ground Coverage Area	
	b.	Kharab Land	-
	c.	Internal Roads	
	d.	Paved area	
	e.	Parking	
	f.	Green belt	
	g.	Others Specify	
	h.	Total	19,14,900 m ²
12		Products and By- Products with quantity (enclose as Annexure if necessary)	NA
13		Raw material with quantity and their source (enclose as Annexure if necessary)	The construction materials, which will be used in the project site, will be obtained from authorized local sources. Stones approx. 1,06,800 m ³ Bricks approx. 534 lakh No. Fine agg. Approx. 8.9 lakh MT Coarse agg. Approx. 12.46 lakh MT Cement approx. 4.45 lakh MT
14		Mode of transportation of Raw material and storage facility	Primarily by means of Road

15	Transportation and storage facility for coal/Bio-fuel in case of thermal power plant	NA
16	Fly ash production, storage and disposal details whereas coal is used as fuel	NA
17	Complete process flow diagram and technology employed	The area will be developed for establishment of HSFC and it's township
18	Details of Plant and Machinery with capacity/Technology used	NA
19	Details of VOC emission and control measures wherever applicable	NA
20	WATER	
	I. Construction Phase	
	a. Source of water	Vani Vilas Sagar
	b. Quantity of water for Construction in KLD	HSFC complex 300 KLD Township 200 KLD
	c. Quantity of water for Domestic Purpose in KLD	HSFC complex 30 KLD Township 20 KLD
	d. Waste water generation in KLD	Waste water generation will be about 20 KLD
	e. Treatment facility proposed and scheme of disposal of treated water	The waster waste water generated will be treated in mobile STP units.
	II Operational Phase	
	a. Source of water	Tungabhadra- Pavagada combined rural water supply scheme
	b. Total Requirement of Water in KLD	Fresh HSFC complex 2800 KLD Township 1200 KLD
		Recycled -
		Total HSFC complex 2800 KLD Township 1200 KLD
	c. Requirement of water for industrial purpose/production in KLD	Fresh -
		Recycled -
		Total -
	d. Requirement of water for domestic purpose in KLD	Fresh -
		Recycled -
		Total -
	e. Waste water generation in KLD	Industrial effluent -
		Domestic HSFC complex 400 KLD

		sewage	Township 800 KLD
		Total	-
f.	ETP/STP capacity	HSFC complex 400 KLD initially and up to 800 KLD in stages Township 800 KLD to be set up in stages	
g.	Technology employed for Treatment	State-of-the-art MBR based STP will be set up for the treatment of sewage generated.	
h.	Scheme of disposal of excess treated water if any	-	
21	Infrastructure for Rain water harvesting	Provided	
22	Storm water management plan	Provided	
23	Air Pollution		
a.	Sources of Air pollution	During construction phase it will be from movement of man & material, heavy earth moving machineries, etc. These emissions will be for short period limited to construction phase. During operation air pollution is anticipated from DG operation during power failure.	
b.	Composition of Emissions	PM ₁₀ , PM _{2.5} , SO ₂ etc.	
c.	Air pollution control measures proposed and technology employed	Fugitive emissions are expected from material handling/storage areas and transportation activities. These emissions will be controlled by water spraying periodically. During transportation, the vehicles shall be covered with tarpaulin.	
24	Noise Pollution		
a.	Sources of Noise pollution	Noise generation from construction equipment used for drilling, cutting operations. During operation phase, noise & vibrations will be generated due to operation of DG sets (as emergency backup)	
b.	Expected levels of Noise pollution in dB	Noise generated will be below 100 dB(A).	
c.	Noise pollution control measures proposed	Noise generated will be about 85-90 dB(A). All DG sets will be covered by acoustic enclosure as per statutory rules and will conform to noise standards. The DG sets will be mounted on anti-vibration mounts to reduce the impacts of	

			vibration.
25	WASTE MANAGEMENT		
	I. Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable Biodegradable waste about 300-400 Kg/day will be generated and will be treated in bio gas plant and compost pits which will convert into manure for gardening. During operation, Solid waste of 750 Kg/day of solid waste will be generated.
			Non-Biodegradable A provision is kept for segregation Non-biodegradable waste and will be disposed thereof through authorized agencies
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Will be taken care by individual entrepreneurs.
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	The e-waste generation will be mainly non-working computers, used CD's etc. It is proposed to collect 10% of the quantity of waste generation as specified in EPR Plan and will sent to e waste treatment facility.
26	Risk Assessment and disaster management		The Risk Assessment and disaster management is enclosed as separate Annexure
27	POWER		
	a.	Total Power Requirement in the Operational Phase with source	HSFC Electricity- 8000 kVA, About 7 MW HSFC Township Electricity- 960 kVA, About 1.2 MW
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	HSFC Construction phase DG sets 200 kVA (Qty- 1 nos.) Operation Phase DG sets 750 kVA (Qty- 4 nos) HSFC Township Construction phase DG sets 200 kVA (Qty- 1 nos.) Operation Phase: DG sets 750 kVA (Qty- 1nos)
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH,	HSFC Construction phase

	Incinerator Set etc.,	Expected fuel requirement- Diesel 50 lit./day Operation Phase Expected fuel requirement- Diesel 500 lit./day HSFC Township Construction phase Expected fuel requirement- Diesel 50 lit./day Operation Phase Expected fuel requirement- Diesel 80 lit./day
	d. Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	<p>Glass with properties meeting the energy conservation requirements will be provided for the houses proposed. 4 mm thick float glass will be used for windows of residential buildings with 0.69 short wave length and 0.14 long wave coefficients. The shading coefficient of these glasses is 0.83.</p> <p>In portions of air - conditioned as in hospital, tinted glasses with lesser shading coefficients will be used.</p> <p>While developing the architectural layout of the buildings cluster development will be adopted with passive solar systems to reduce the heat island effect. Appropriate shading devices like overhangs, side fins with the required properties will be incorporated to reduce the heat gain from walls mostly facing sun.</p> <p>It is planned to generate about 3 MW of Solar power by installation of ground and roof top solar systems.</p>
28	PARKING	
	a. Parking Requirement as per norms	Provided
	b. Internal Road width (RoW)	Provided
29	Any other information specific to the project (Specify)	Nil

The proposal was placed before the 231st meeting held on 25-9-2019 for appraisal as per the above furnished information by the proponent.

The committee noted that this proposal is for two patches of land one having an area of 473 Acres in which Administrative and technical facilities are supposed to be established. Another piece of land of 100 Acres which is 17 KM from this project site wherein the township is proposed to be built. Since the two pieces of land are not contiguous to each other the proponent has stated that he will make out separate

application for 100 Acres piece of land and the present application will be limited to 473 Acres piece of land pertaining to project.

However, the committee after discussion/deliberation decided to conduct site inspection for assessing the ground realities of the project and to issue any additional ToRs after site inspection. The date for conducting site inspection shall be confirmed later on.

The project is discussed in 232nd SEAC meeting held on 18-10-2019. Due to official reasons the site inspection has been cancelled and after discussions committee decided to recommend to issue standard ToRs to conduct EIA studies in accordance with EIA Notification 2006.

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

231.87 Proposed Natural Sand Block Project at Sy.Nos.310/J3 & 310/J4 of Gajapura Village, Harapanahlli Taluk, Ballari District (6.25 Acres) By Sri G. Nanjana Gowda (SELAA 551 MIN 2019)

Sl No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. G. Nanjana Gowda S/o Late G. Nagana Gowda I. B. Circle, Sri. Ganesh Temple Road, Harapanahalli Taluk, Ballari District, Karnataka State.
2	Name & Location of the Project	Natural Sand Block of Sri. G. Nanjana Gowda The sand block is located at a distance of 300m South East of Gauripur village. over an extent of 6.25 Acres in Survey No. 310/J3 & 310/J4 at Gajapura Village, Chigateri Hobli, Harapanahalli Taluk, Ballari Dist, Karnataka.
3	Co-ordinates of the Project Site	BP-1 N 14 ^o 49' 50.0" & E 76 ^o 09' 28.8" BP-2 N 14 ^o 49' 48.3" & E 76 ^o 09' 28.4" BP-3 N 14 ^o 49' 45.6" & E 76 ^o 09' 27.8" BP-4 N 14 ^o 49' 46.5" & E 76 ^o 09' 22.1" BP-5 N 14 ^o 49' 48.9" & E 76 ^o 09' 21.7" BP-6 N 14 ^o 49' 50.2" & E 76 ^o 09' 21.6" BP-7 N 14 ^o 49' 50.3" & E 76 ^o 09' 26.8"
4	Type of Mineral	Natural Sand Block
5	New / Expansion / Modification / Renewal	New Quarry

6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	2.52
9	Actual Depth of sand in the lease area in case of River sand	-
10	Depth of Sand proposed to be removed in case of River sand	-
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	-
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	-
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	Max. 17388 tons / Annum
14	Quantity of Topsoil/Over burden in cubic meter	-
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Max. 5005tons/Annum
16	Project Cost (Rs. In Crores)	0.295
17	Environmental Sensitivity	
	a. Nearest Forest	The Kalgudda Reserved Forest is located at 8km towards North West Direction.
	b. Nearest Human Habitation	Bennihalli - 300m
	c. Educational Institutes, Hospital	Primary Schools are located at Harapanahalli Town. The hospitals, colleges, places of worship community facilities etc., are located at Harapanahalli town which is at a distance of 22 kms by road from the lease area.
	d. Water Bodies	The project lies on Chikka Hagari river.
	e. Other Specify	-
18	Applicability of General Condition of the EIA Notification, 2006	No
19	Details of Land Use in Ha	
	a. Area for Mining/ Quarrying	2.04
	b. Waste Dumping Area	-
	c. Top Soil Storage Area	-
	d. Mineral Storage Area	-

	e.	Infrastructure Area	-	
	f.	Road Area	-	
	g.	Green Belt Area	0.48	
	h.	Unexplored area	-	
	i.	Others Specify	-	
20	Method of Mining/ Quarrying		Open cast - Semi mechanised mining method	
21	Rate of Replenishment in case River sand project		-	
22	Water Requirement			
	a.	Source of water	Ground water	
	b.	Total Requirement of Water in KLD	Dust Suppression	10
			Domestic	2
			Other	-
			Total	12
23	Storm water management plan		-	
24	Any other information specific to the project (Specify)		-	

The proposal was placed before the 231st meeting held on 25-9-2019 for appraisal as per the above furnished information by the proponent. The proponent remained absent without intimation.

The committee after discussion decided to defer the proposal.

The Proponent and Environment Consultant attended the 232nd meeting held on 19.10.2019 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh sand quarry lease in patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Departments and applied for land conversion order and also he has stated that the quarry plan has also been got approved from the DMG. The project is located at a distance of 50 meters from Chikkahagri Nala. The average top level of the sand block is 547 meters and dry weather flow (bed level) of the nala is 542 meters. The depth of mining is 3.0 meters and the proponent has stated that he will take up mining subdividing the mining block into five sub blocks and taking up mining in each block every year. Taking this into consideration the proposed quantity of 52,837 cum or 84,539 tons for a plan period of five years can be mined safely and scientifically.

The proponent has also stated that there is an existing cart track road which ends up at 50 meter from the lease area and the balance 50 meter require to connect the lease area to all weather road will be built on the private land which belongs to proponent himself. The proponent has also stated that he will establish a stock yard on the

untackled portion of the lease area. The proponent has stated that there are no eco-sensitive zone within the radius of 10 KM from the boundary of lease area.

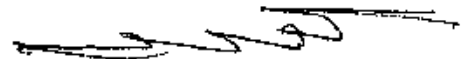
The proponent has also submitted combined sketch prepared by the DMG wherein it has stated that there are three leases including this and in which DMG has certified that EC for other two leases have not yet been obtained within the 500 meter radius and the area applied for EC is less than the threshold limit of 5 Ha the committee decided to categorise this project under B2 and proceeded with the appraisal accordingly.

As far as CER is concerned the proponent has stated that he has earmarked Rs.8.50 lakhs for a plan period of five years to take up plantation on either side of the Chikkahagri nala and also to convert it to quarry pit into a rain harvesting pond providing suitable slope protection measures.

The committee after discussion and deliberation decided to recommend the proposal for issue of EC.

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

The meeting concluded with thanks to the Chair.


Chairman, SEAC
Karnataka.

