Proceedings of the 230th SEAC Meeting held on 12th and 13th September 2019

12th September 2019

Members present in the meeting:

20/9/19
MS SEIAA

23/9/2019
Sr. Sc. O
SEIAA

Shri. N. Naganna	-	Chairman
Dr. B. Chikkappaiah,IFS(R)	-	Member
Dr. N. Krishnamurthy	-	Member
Dr. M.I. Hussain	-	Member
Dr. K.B Umesh	-	Member
Shri M. Srinivasa	-	Member
Shri J.G Kaveriappa	-	Member
Shri G.T Chandrashekarappa	-	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,IFS	-	Secretary

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 and also the agenda notes pertaining to all the subjects to be appraised in the 227th 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 229th SEAC meeting held on 26th, 27th and 28th August 2019.

The State Expert Appraisal Committee, Karnataka perused the proceedings of 229th SEAC meeting held on 26th, 27th and 28th August 2019 and confirmed the same.

At the outset committee noted the NGT order issued on 19-8-2019 wherein it has been detailed the nature of the industries that are to be established or expanded in the critically polluted and severely polluted areas. The committee after discussion and deliberation decided that there is no ban on the establishment or expansion of orange or Red category industries except the industries which are polluting and non-complying

the provisions of Air Act, Water Act and EP Act and committee decided to proceed further with the appraisal of the other projects which are complying with the above norms.

EIA Proposal

230.1 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	"RMZ Ecoworld" Development of Commercial Office Building (Horizontal Expansion) 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.
3		Co-ordinates of the Project Site	Latitude: 12°55'36.73" N Longitude: 77°41'17.52" E
4		Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Devarabeesanahalli Lake - 285 m from the project site
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if	Devarabeesanahalli Lake - 285 m from the project site

		Applicable.	
5		Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Commercial Office Development
	b.	Residential Township/ Area Development Projects	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	
	b.	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 landuse land cover should be prepared using latest satellite imaginary 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.

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

230.2 Proposed Commercial Building Project at Sy.No.67/1, 67/2, 68, 69/1, 69/2, 69/3 of Doddanekundi Village and 92/1, 92/2, 93/1, 93/2, 93/3, 94/1, 94/2 & 95 of Mahadevapura Village, K.R.Puram Hobli, Bengaluru East Taluk, Bangalore Rural District **By M/s. Bagmane Developers Pvt. Ltd. (SEIAA 169 CON 2018)**

<table>
<tr><td>Sl. No.</td><td colspan="2">PARTICULARS</td><td>INFORMATION</td></tr>
<tr><td>1</td><td colspan="2">Name & Address of the Project Proponent</td><td>M/s. Bagmane Developers Pvt. Ltd.
Lake View 'A' Block, 8th Floor, Bagmane Tech ParkC.V. Raman Nagar, Bengaluru - 560093.</td></tr>
<tr><td>2</td><td colspan="2">Name & Location of the Project</td><td>"Bagmane Capital"
Sy. No. 67/1, 67/2, 68, 69/1, 69/2, 69/3 of Doddanekundi Village and 92/1, 92/2, 93/1, 93/2, 93/3, 94/1, 94/2 & 95 of Mahadevapura Village, K.R. Puram Hobli, Bengaluru East Taluk, Bengaluru.</td></tr>
<tr><td>3</td><td colspan="2">Co-ordinates of the Project Site</td><td><table><tr><td>Sl.No.</td><td>North Latitude</td><td>East Longitude</td></tr><tr><td>1</td><td>N:12°59'01.63572"</td><td>E:77°42'08.28590"</td></tr><tr><td>2</td><td>N:12°58'58.72976"</td><td>E:77°42'08.32228"</td></tr><tr><td>3</td><td>N:12°58'58.74232"</td><td>E:77°42'04.62822"</td></tr><tr><td>4</td><td>N:12°59'01.24156"</td><td>E:77°42'05.34048"</td></tr></table></td></tr>
<tr><td>4</td><td colspan="3">Environmental Sensitivity</td></tr>
<tr><td></td><td>a.</td><td>Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)</td><td>Nakkundhi Lake – 0.99 km towards NE
Doddanekundi Lake – 1.45 km towards SSW
Whitefield Lake – 0.90 km towards SE</td></tr>
<tr><td></td><td>b.</td><td>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.</td><td>Not Applicable</td></tr>
<tr><td>5</td><td colspan="2">Type of Development</td><td></td></tr>
<tr><td></td><td>a.</td><td>Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other</td><td>Commercial Offices</td></tr>
<tr><td></td><td>b.</td><td>Residential Township/ Area Development Projects</td><td>--</td></tr>
<tr><td>6</td><td colspan="2">Plot Area (Sqm)</td><td>2,02,647.01 Sqm.</td></tr>
<tr><td>7</td><td colspan="2">Built Up area (Sqm)</td><td>Total BUA = 8,31,387.21Sqm</td></tr>
</table>

8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors	Block A, B– 2B+G+8 UF - 38.0 mtrs Block C & D – 2B+G+10 UF - 45.0 mtrs Block E, F, G, H & I – 3B+G+12 UF - 53.0 mtrs Block J, K, L – 2B+G+9 UF- 41.0 mtrs
9	Number of units in case of Construction Projects	--
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	Total Project Cost : 2,535Crores Land Cost : 1,035 Crores Construction :1,500 Crores
12	Recreational Area in case of Residential Projects / Townships	--
13	Details of Land Use (Sqm)	

a.	Ground Coverage Area	53,300 Sqm
b.	Kharab Land	NA
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	67,066 Sqm
d.	Internal Roads	23,624 Sqm
e.	Paved area	55,236.01Sqm
f.	Others Specify	3,421Sqm
g.	Parks and Open space in case of Residential Township/ Area Development Projects	
h.	Total	202647.01Sqm

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)	83,2460cumtra
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	3,32,984
d.	Excess excavated earth (in cubic meter)	4,99,476
e.	Plan for scientific disposal of	

<table>
<tr><td></td><td></td><td>excess excavated earth along with Coordinate of the site proposed for such disposal</td><td></td></tr>
<tr><td>15</td><td colspan="3">WATER</td></tr>
<tr><td></td><td>I.</td><td colspan="2">Construction Phase</td></tr>
<tr><td></td><td>a.</td><td>Source of water</td><td>Tanker and Bangalore Water Supply and Sewerage Board (BWSSB).</td></tr>
<tr><td></td><td>b.</td><td>Quantity of water for Construction in KLD</td><td>20 KLD</td></tr>
<tr><td></td><td>c.</td><td>Quantity of water for Domestic Purpose in KLD</td><td>10 KLD</td></tr>
<tr><td></td><td>d.</td><td>Waste water generation in KLD</td><td>8.5 KLD</td></tr>
<tr><td></td><td>e.</td><td>Treatment facility proposed and scheme of disposal of treated water</td><td>Onsite sanitation facilities will be provided andisposed off in to septic tank. Also no large surface water bodies are in the vicinity.</td></tr>
<tr><td></td><td>II.</td><td colspan="2">Operational Phase</td></tr>
<tr><td></td><td>a.</td><td>Total Requirement of Water in KLD</td><td>4,238 KLD</td></tr>
<tr><td></td><td>b.</td><td>Source of water</td><td>Tanker and Bangalore Water Supply and Sewerage Board (BWSSB) for drinking purpose.</td></tr>
<tr><td></td><td>c.</td><td>Waste water generation in KLD</td><td>
<table>
<tr><th>Sl. No.</th><th>WING</th><th>Incoming Waste Water (KLD)</th></tr>
<tr><td>1</td><td>Wing A&B</td><td>428</td></tr>
<tr><td>2</td><td>Wing C&D</td><td>506</td></tr>
<tr><td>3</td><td>Wing E</td><td>277</td></tr>
<tr><td>4</td><td>Wing F&G</td><td>496</td></tr>
<tr><td>5</td><td>Wing H&I</td><td>487</td></tr>
<tr><td>6</td><td>Wing J&K</td><td>377</td></tr>
<tr><td>7</td><td>Wing L</td><td>240</td></tr>
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</td></tr>
<tr><td></td><td>d.</td><td>STP capacity</td><td>
<table>
<tr><th>Sl. No.</th><th>WING</th><th>STP Capacity (KLD)</th></tr>
<tr><td>1</td><td>Wing A&B</td><td>450</td></tr>
<tr><td>2</td><td>Wing C&D</td><td>550</td></tr>
<tr><td>3</td><td>Wing E</td><td>300</td></tr>
<tr><td>4</td><td>Wing F&G</td><td>500</td></tr>
<tr><td>5</td><td>Wing H&I</td><td>500</td></tr>
<tr><td>6</td><td>Wing J&K</td><td>400</td></tr>
<tr><td>7</td><td>Wing L</td><td>250</td></tr>
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</td></tr>
<tr><td></td><td>e.</td><td>Technology employed for Treatment</td><td>MBBR technology</td></tr>
<tr><td></td><td>f.</td><td>Scheme of disposal of excess treated water if any</td><td>No excess treated water</td></tr>
<tr><td>16</td><td colspan="3">Infrastructure for Rain water harvesting</td></tr>
<tr><td></td><td>a.</td><td>Capacity of sump tank to store Roof run off</td><td>7 No's</td></tr>
</table>

	b.	No's of Ground water recharge pits	22 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 and mode of Disposal as per norms	Since no laborers are staying in the project site there will be less generation of solid /domestic waste.
	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	57,015.31 KVA from BESCOM.
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	50X 1500 KVA (38 running + 12 standby).
	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 = 12,358
	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 meeting to provide clarification/additional information.The committee screened 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 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 to be felled and the scheme for development of greenery with the number and kind of tree species 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) ECBC norms to be fully complied with for design and choice of equipments. Simulation studies to be conducted and quantify the energy savings.
12) 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.
13) 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.

Accordingly ToRs were issued on 21-2-2019. The proponent has submitted the EIA report on 23-8-2019 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.

As seen from the village survey map and revenue records a total of 2 Acres 7 guntas of kharab land is existing in the project site and out of which one Acre 21 guntas

is A-kharab in the form of raincut furrows and the same has been got reconverted in favour of proponent. The balance 26 guntas is in the form of nala kharab for which the proponent has stated that he has maintained buffer zone as per the norms.

As far as CER is concerned the proponent has stated that he will earmark Rs. 28.5 crores to take up remediation works in rain devastated areas of Chickmagalur.

As seen from the RMP 2015 a portion of land of this project site is in Hi-tech zone and the other portion is in Residential zone for which the proponent has stated that he has got the entire land converted to commercial purpose.

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

1) Surface hydrology study covering the carrying capacity of the nearby nala and its catchment maybe worked and submitted.
2) Rain water storage tanks provided for storage of terrace water and water from hard paved area have to be reworked taking realistic rainfall and submitted.
3) Carbon offset has to be quantified and submitted.
4) Statistics of land use land cover provided may be reworked and inconsistencies may be corrected and submitted.
5) List out flora and fauna status with reference to IUCN and wildlife protection Act 1972 if there are any schedule-I species prepare and submit the Biodiversity conservation Plan in consultation with Forest Department along with budget back up to implement in a time bound.
6) Analysis of heavy metals in the ground water may be conducted and submitted.
7) Revised soil sample analysis reports has to be reworked and submitted.

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

230.3 Proposed Project "Bulk drugs and Intermediates unit at Plot No.123 & 124, KIADB, Industrial Area, Raichur Growth Centre, Raichur Tq and Dist Chicksugur-584134 by **Ms/. JY 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		Mode of transportation of coal to the project site is by road and will be stored in coal storage yard

	power plant			
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 KLD	**48.2 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	Will be implemented		
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 SEIAA 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.

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

Fresh projects

230.4 Proposed Commercial and Residential Apartment Project at Sy No.160/3(old Sy No.160/2) of Kannamangala Village,Bangalore East Tq and Bangalore Urban Dist.By **M/s SBR Infrastructure(SEIAA 114 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. T Venugopal Managing Partner, M/s. SBR Infrastructure # 160/4, SBC THE NEST, Whitefield-Hoskote Main road, Whitefield, Bengaluru - 560067

2	Name & Location of the Project	Proposed Commercial Retail / Residential Apartment Project, by M/s. SBR Infrastructure at Sy No. 160/3 (Old Sy. No 160/2), Kannamangala village, Bidarahalli Hobli, Bangalore East Taluk, Bengaluru.
3	Co-ordinates of the Project Site	Longitude: 77°45'44.92"E Latitude: 13° 1'21.81"N
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Chikkabanahalli Lake- 0.54 kms (W) SecondaryNala is 0.35 Kmtowards NE
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	Commercial/ResidentialApartment
b.	Residential Township/ Area Development Projects	No
6	Plot Area (Sqm)	The total site area is 5817.30 sq.m. Road Widening area is 481.54 Sq.m.
7	Built Up area (Sqm)	The Gross BUA is 28,926.69sq.m.
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Construction of Commercial Retail /Residential Apartment project comprising of 2 Buildings, Building 1 for commercial purpose has 2 Basements + Ground Floor + 8 Upper Floors + Terrace Floor and Building 2 for residential purpose having 2 Blocks, Block A & B each having 1 Basement + Ground Floor + 9 Upper Floors + Terrace Floor.
9	Number of units in case of Construction Projects	Total Number of Units is 108Nos.
10	Number of Plots in case of Residential Township/ Area Development Projects	-
11	Project Cost (Rs. In Crores)	56Crores
12	Recreational Area in case of Residential Projects / Townships	Playground area – 215.18 sq.m. And Senior Citizen allocated area – 185.1q.m.(7.5% of net

			plot area), Park area =552.78 Sq.m. (10.36% of Net plot area);
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	2,109.00sq.m (39.53%)
	b.	Kharab Land	Nil
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1,760.80 sq.m (33.00%)
	d.	Internal Roads	1,465.96(27.47%)
	e.	Paved area	-
	f.	Others Specify	-
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	5,335.76sq.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)	25,671.38cu.m.
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	25,671.38cu.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	The sewage generated during the construction phase will be treated in the Mobile STP

		water		
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	22.38
			Recycled	23.64+43.41=67.05
			Total	89.43
	b.	Source of water	Gram Panchyath	
	c.	Waste water generation in KLD	84.96KLD	
	d.	STP capacity	95 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	114 cu.m.	
	b.	No's of Ground water recharge pits	16 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	171.3kg/day. Biodegradable waste will be converted in organic convertor.	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	114.2kg/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 waste generation and mode of Disposal as per norms	E-waste generation will be very less	
19		POWER		

	a.	Total Power Requirement - Operational Phase	750 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 750 kVA
	c.	Details of Fuel used for DG Set	HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	•Energy saved by using Solar water Heater : 25,000 kWH/ Year.....(a) • Solar Power Generation : In non-monsoon season 100kWH x 30 x 8 Months = 24,000kWH • 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)= 0.25 + 0.3 L KWH = 0.55 L / Annum .....(c) • Total energy savings = 25.11%
20	PARKING		
	a.	Parking Requirement as per norms	One car spacing for 1 units as the floor area is between 50 sq.m. to 225 sq.m = 108+10% visitors Parking required is 108+11cars=119 Nos Commercial & Club House Parking= 116 Total car Parking required as per NBC= 235 Parking Provided is 246Ecs which is as Per NBC and MoEF Norms
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	24.10 m wide road in front of the site connects to Hosokote to Whitefield main raod (SH 35). -LOS - B
	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 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 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 is a project depending on the water supplied from village panchayaths. The proponent has stated that there is another project adjacent to this project site belonging

to same proponent and he has stated that he will utilize treated sewage water from this existing projects and reduce the water demand from the village panchayath. As far as the buffer zone for underground petrol pipeline, the proponent has stated that he has maintained the buffer zone of 60 feet from the land acquired for pipeline project as per norms prescribed in NOC issued by M/s. Mangalore – Bangalore Pipeline project, Bangalore in addition to setbacks

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.

230.5 Proposed Expansion of Cancer Hospital and Research Centre Project at Site No.18 of Shankarapuram Village,Bengaluru North Taluk, Bengaluru Urban District By **M/s. Sri Shankara Cancer Foundation (SEIAA 115 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Dr. B.S. Srinath Managing trustee 1st cross, shankaramath premises, shankarapuram, Basavanagudi, Bengaluru-560004
2	Name & Location of the Project	Shri Shankara Cancer Hospital and research centre Site No.18, Shankar Mutt, Shankarapuram, Bangalore, ward no-49, K G Nagar.
3	Co-ordinates of the Project Site	Latitude: 12° 57'14.19"N Longitude: 77°34'14.73"E
4	EnvironmentalSensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Lalbagh lake- 1.20 km (SE) Kempambudhi Lake- 1.00 km (W) Yediyur lake- 2.20 km (S)
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	---

5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Development of Commercial Building
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	10,617.80 Sqmt
7	Built Up area (Sqmt)	24,451.22 Sqmt.
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Building Configuration : LB+UB+GF+5 UF+TF. Max height - 23.85m
9	Number of units in case of Construction Projects	2 unit
10	Number of Plots in case of Residential Township/ Area Development Projects	Site No.18, Shankar Mutt, Shankarapuram, Bangalore, ward no- 49, K G Nagar.
11	Project Cost (Rs. In Crores)	7.5 Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	
a.	Ground Coverage Area	5,162.10 Sqmt
b.	Kharab Land	No
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1,509.45 Sqmt
d.	Internal Roads and parking area	3,946.25 Sqmt
e.	Paved area	--
f.	Others Specify	--
g.	Parks and Open space in case of Residential Township/ Area Development Projects	--
h.	Total	10,617.80 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	Not Applicable since it is new project
b.	Total quantity of Excavated earth (in cubic meter)	--
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic	No excavation work is needed as the proposed project is only increase in the number of floors.

	meter)		
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		Backfilling, foundation, road area and for gardening
15	WATER		
I.	Construction Phase		
a.	Source of water		STP treated water for construction purpose External tanker water for domestic purposes
b.	Quantity of water for Construction in KLD		5 KLD
c.	Quantity of water for Domestic Purpose in KLD		2 KLD
d.	Waste water generation in KLD		1.7 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	Domestic	165 KLD
		Recycled	87 KLD
		Total	272 KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	231 KLD	
d.	STP capacity	240 KLD	
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
f.	Scheme of disposal of excess treated water if any	Not found will be managed within the site	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	2 X 25 cum	
b.	No's of Ground water recharge pits	24 no's tube wells	
17	Storm water management plan	Land is gently sloping terrain and sloping towards South direction. Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn & roads. Rainwater collection tank of capacity 2 X 25 cum is proposed which will be provided to collect the roof run off, which will be reused after prior treatment. 24 number of tube wells 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 -5 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 - 88 kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 10 kg/day will be reused as manure for greenery development purposes.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	Quantity - 132 kg/day Recyclable waste will be given to the waste collectors for recycling for further processing.
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste oil generated from the DG sets will be collected in leak proof barrels and handed over to the authorized waste oil recyclers. The biomedical wastes generated from the hospital will be properly packed in color-coded bags as per Pollution Control Board regulations and will be handed over to M/s. Maridi Eco Industries Pvt Ltd for treatment. MoU has been made for the same.
d.	Quantity of E waste generation 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	1500 kW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Existing- 1 X 750 KVA Proposed- 1 X 750 KVA
c.	Details of Fuel used for DG Set	High speed diesel fuel
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, CFL and LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 21.5%
20	PARKING	
a.	Parking Requirement as per norms	Required = 263 no's, Provided = 263 no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	C
c.	Internal Road width (RoW)	Approach road width - 15 m Internal road width is - 5 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 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. The committee observed that this is a project site located in fully developed area and as per the mapshalli this is located in Guttahalli village and the Sy.Nos. being 16,17 & 18 and as per which there are no water bodies either in the form of lake or natural nalas which attracts buffer as per norms and this is an expansion proposal to already existing building for which the plans were sanctioned in two stages by BBMP and combined total area of these two stages is 19067.18 sqmts which is less than the threshold limit of 20,000 sqmts. The proponent wants to construct an additional BUA of 5384.04 sqmts which amounts to a total BUA of 24451.22 sqmts by going for the vertical expansion by putting up additional two floors. As far as the structural stability is concerned it has been mentioned that the foundation structures has been designed for six floors out of which only three floors are built already and it is proposed to put up another two floors over that structures. In addition to that the proponent has also produced structural stability certificate stating that the structures can take additional load of these expansion.

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.

230.6 Proposed Residential Apartment Project comprising of LB+UB+GF+13UF at Sy.Nos.38/2, 38/3, 38/4, 38/5, 38/7,38/8, 389, 38/10, 49 of Bellandur Amanikere,Devarabeesanahalli Village, Varthur Hobli, Bangalore East Taluk, Bengaluru Urban District By **M/s. Sandhya Realtors Pvt. Ltd. (SEIAA 117 CON 2019)**

Sl. No	PARTICULARS	INFORMATION

1	Name & Address of the Project Proponent	Sandhya Realtors Private Limited, No. 4,Nagashettyhalli bus stop, Nagashettyhalli, Bangalore 560 094.
2	Name & Location of the Project	Project site:- Sy No. 38/2,38/3,38/4,38/5,38/7,38/8,38/9,38/10,49, of Bellandur Amanikere, Devarabeesanahalli, Varthur Hobli, Bangalore East Taluk, Bangalore dist, Khatha No. 321 & 461/49
3	Co-ordinates of the Project Site	12^0 55' 55.32" N and 77^0 40' 54.84"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	The distance of the property line from the bellandur LAKE is about 0 .65 Kms,
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.	As per norms
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	RESIDENTIAL APARTMENT
b.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sq.M)	24729.49
7	Built Up area (Sq.M)	73104.67
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	LB+UB+G+13UF Ground coverage - 14.91% --- 3687.17 sqmts Greenery - 35% ----- 8655.32 sqmts Driveway - 27.85% ---- 6887.16 sqmts R & CPA - 15% --- 3709.42sqmts Utilities & facilities – 7.24% --- 1790.42 sqmts
9	Number of units in case of Construction Projects	442 units
10	Number of Plots in case of Residential Township/ Area Development Projects	NA
11	Project Cost (Rs. In Crores)	71.85
12	Recreational Area in case of	3709.42 sqmts

	Residential Projects / Townships		
13	Details of Land Use (Sq.M)		
	a.	Ground Coverage Area	3687.17 sqmts
	b.	Kharab Land	NA
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	8655.32 sqmts
	d.	Internal Roads	6887.16sqmts
	e.	Paved area	
	f.	Others Specify Utilities	1790.42 sqmts
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	24729.49 Sqmts
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)	48656.15
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	48656.15cum i.e. the entire quantity will be used and there shall be no earth exported from our site
	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	THE ENTIRE QUANTITY WILL BE USED IN THE PROJECT ITSELF FOR Back filling 19029.60 Ramps and driveway 14596.84 Landscaping 12982.98 Soil Cement blocks 1506.00 Soil stacked in site for further use 540.73
15	WATER		
	I.	Construction Phase	
	a.	Source of water	M O U Submitted
	b.	Quantity of water for Construction	About 10 to 12

		in KLD		
	c.	Quantity of water for Domestic Purpose in KLD	10	
	d.	Waste water generation in KLD	7.5	
	e.	Treatment facility proposed and scheme of disposal of treated water	Since there is provision for sanitation, facility provided by BWS & SB, we will channelize our toilet wastes to the Man hole close to our boundary. No temporary STP is envisaged.	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	111
			Recycled	229
			Total	340
	b.	Source of water	BWSSB, letter of acknowledge ment enclosed	
	c.	Waste water generation in KLD	272 KLD	
	d.	STP capacity	280 KLD	
	e.	Technology employed for Treatment	SBR with extended aeration	
	f.	Scheme of disposal of excess treated water if any	Zero discharge plan	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	2 No.s of 70kl UG Sumps with impervious walls will be constructed to store the pre filtered rain water runoff from the terrace	
	b.	No's of Ground water recharge pits	18 No.s Recharge pits at the bottom of the peripheral drains will be constructed to recharge the ground water	
17		Storm water management plan	Peripheral drains all round the boundary with oil and grease traps , silt traps and catch basins before getting into the external storm drains	
18		WASTE MANAGEMENT		
	I.	Construction Phase		

	a.	Quantity of Solid waste generation and mode of Disposal as per norms	1.Steel bits - about 5.8 tons sold to recyclers 2.Concrete spill and debris used as road fill consolidation 3.Plywood shuttering and centring material about 2250 Kgs will be given away to Brick kilns 4. Waste mineral oils, lubricants about 600 Lts will be given to KSPCB approved Recyclers 5. Exhausted paint containers, gunny sacks, electrical items, plumbing items and allied defunct spares of construction machinery about 6.8tons will be given away to KSPCB approved recyclers
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation & mode of Disposal as per norms	678.25 Kgs/day processed in the organic waste converters to generate manure Sludge 45.21kgs/day
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	339.12Kgs disposed to the Municipal approved garbage clearing contractors
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	About 600lts, Disposed to KSCPB approved recyclers
	d.	Quantity of E waste generation & mode of Disposal as per norms	62.80 Kgs will be stored and disposed to authorized recyclers from KSPCB
19	POWER		
	a.	Total Power Requirement - Operational Phase	2647 KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 No. X 500KVA, 1 No. X 250 KVA
	c.	Details of Fuel used for DG Set	Low sulphur HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	24.%
20	PARKING		
	a.	Parking Requirement as per norms	486 provided 503
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	fair
	c.	Internal Road width (RoW)	8.0mts as desired by the Fire dept norms

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 village survey map there are two nalas one each at the northern and southern end of the project site for which the proponent has stated that he has left buffer zone as per the 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.

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

230.7 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, 3rd 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,	300 cum

		if applicable	
	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		Strom 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 roads as per the traffic study report	Thanisandra Main Road:LOS 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.

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

230.8 Proposed Hotel project at Sy. Nos 49, 50/1, 50/2, 50/3, 50/4B, 50/5, 50/6, 51/1, 51/2A, 51/2B, 51/3 & 51/6 Shivanahalli Village,Yelahanka Hobli,Bangalore North Tq,Bangalore **By M/s Taj GVK Hotels and Resorts Ltd(SEIAA119CON2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. TAJ GVK Hotels & Resorts Ltd., Taj Krishna, Road No. 1, Banjara Hills, Hyderabad - 500 034
2	Name & Location of the Project	Hotel project with 253 rooms Survey Nos. 49, 50/1, 50/2, 50/3, 50/4B, 50/5, 50/6, 51/1, 51/2A, 51/2B, 51/3 & 51/6, Shivanahalli Village, Yelahanka Hobli, Bangalore North Taluk, Bangalore.
3	Co- ordinates of the Project Site	Latitude : 13°05" 34.82" N Longitude : 77°35" 54.44" E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Water Bodies: Shivanahalli Lake (adjacent to site towards west), Allalasandra lake (800 m, west), Jakkur lake(950 m, East), and Yelahanka Lake (1.5 Kms, North west).
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	NA

		2014 dated 04.05.2016, if Applicable.	
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	Hotel Project
	c.	Residential Township/ Area Development Projects	Not Applicable.
6	Plot Area (Sqm)		Total plot area: 30,564.86 sq m (7 Acres 22 Guntas)
7	*Built Up area (Sqm)*		38,199.52 sq m
8	Building Configuration [Number of Blocks/ Towers/ Wings etc., with Numbers of Basements and Upper Floors]		Project consists of Basement, Ground and Fourteen Upper Floors
9	Number of units in case of Construction Projects		Hotel project with 253rooms
10	Number of Plots in case of Residential Township/ Area Development Projects		NA
11	Project Cost (Rs. In crores) towards expansion cost		Rs. 140,00,00,000/- (Rupees One Hundred and Forty Crores Only)
12	Recreational Area in case of Residential Projects / Townships		-
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	4,358.81 sq m
	b.	Kharab Land	---
	c.	Total Green belt on Mother Earth for projects under 8(a) of the	10,814.81 sq m (1,385 sq m for podium landscape)

		schedule of the EIA notification, 2006	
	d.	Internal Roads	-
	e.	Paved area	6,402.64 sq m
	f.	Others Specifty	Area left for future development- 8,988.60 sq m
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	--
	h.	Total	30,564.86 sq m
14	Details of demolition debris and / or Excavated earth		
	a	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	Construction debris of about 20 cum generated will be used for road formation within the project site.
	b	Total quantity of Excavated earth (in cubic meter)	The total quantity of excavated soil is about 19,000 cum.
	c	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	The total quantity of excavated soil is about 19,000 cum, out of it about 6,000 cum will be used for landscape development, about 7,000 cum will be used for backfilling, about 3,500 cum will be used for paved area with in the project site and 2,500 cum will be use used preparation of soil cement blocks which will be used for construction of workers shed, compound wall etc.,
	d	Excess excavated earth (in cubic meter)	The soil excavated in the project will be completely reused within the premises.
	e	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such	NA

		disposal		
15		WATER		
	I.	Construction Phase		
	a	Source of water	BWSSB	
	b	Quantity of water for Construction in KLD	--	
	c	Quantity of water for Domestic Purpose of KLD	14 KLD	
	d	Waste water generation in KLD	13 KLD	
	e	Treatment facility proposed and scheme of disposal of treated water	The wastewater generated of capacity 13 KLD will be treated in package STP of capacity 15 KLD.	
II.		Operational Phase		
	a	Total Requirement of Water in KLD	Fresh	243KLD
			Recycled	66 KLD
			Total	309KLD
	b	Source of water	BWSSB	
	c	Waste water generation in KLD	279 KLD	
	d	STP capacity	300 KLD	
	e	Technology employed for Treatment	Sequential batch reactor	
	f.	Scheme of disposal of excess treated water if any	The treated sewage in the project will be recycled for Toilet Flushing, reused for landscape and air conditioning make up etc.,	
16		Infrastructure for Rain water harvesting		
	a	Capacity of sump tank to store Roof run off	Rain water storage sump of 50 cum capacity will be constructed to collect the rain water and is being reused for domestic purposes.	
	b	No's of Ground water recharge pits	4 recharge pits	
17		Storm water management plan	Appended in the report	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a	Quantity of Solid waste	Total solid waste generated from the labor	

		generation and mode of Disposal as per norms	camp will be25 kg/day will be segregated at source collected, stored and disposed through local authorities
	II	Operational Phase	
	a	Quantity of Biodegradable waste generation and mode of Disposal as per norms	814 Kg/day will be treated in an organic converter.
	b	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	543 Kg/day will be handed over to recyclers.
	c	Quantity of Hazardous Waste generation and mod of Disposal as per norms	500 Litres/annum will be disposed to KSPCB approved and CPCB register waste oil re-processors.
	d	Quantity of E waste generation and mode of Disposal as per norms	NA
19		POWER	
	a	Total Power Requirement - Operational phase	2000kVA will be supplied from BESCOM
	b	Number of DG set and capacity in KVA for Standby Power Supply	3 x 750 kVA capacity DG Sets
	c	Details of Fuel used for DG Set	Ultra-Pure Low Sulphur Content Diesel
	d	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Details appended
20		PARKING	
	a	Parking Requirement as per norms	Total 384 cars
	b	Level of Service (LOS) of the connecting Roads as	--

		per the Traffic Study Report	
	c	Internal Road width (RoW)	Fire drives are proposed in the project
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, IA Conceptual plan, and clarification/information provided during the meeting. As per the village survey map there is a lake on the western side of the project site for which the proponent has stated that he has left 30 meter buffer zone as mandated and in the village survey map there are nala originating from the tank bund for which the proponent has stated that this is irrigation nala network and entire area has been acquired by KIADB and allotted to the proponent through single window agency(KUM) and in which there is no mention of any kharab land.

The proponent has stated that he has built two bridges for the entry and exit separately taking permission from the competent authorities and also he has stated that he has taken up the development of the tank by entering into an MOU with the lake development authority and in order to give uninterrupted access to the tank bund for general public he has agreed to shift the entrance and exit gate from the side of the road to the boundary of the site.

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

1) The proponent has to give hindrance free access for the general public to the tank bund area and the details in this regard to be worked out and submitted with details.

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

230.9 Proposed Development of Residential Apartment Project at Sy.Nos.73/1,2,3 Hoodi Village, KR Puram Hobli, Bangalore East Taluq Bangalore **By M/s 2Getherments Infra Pvt Ltd (SEIAA 120 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. 2GETHERMENTS INFRA PVT. LTD No.15, 8-3-684/3-15, LIC colony, Srinagar colony, Hyderabad-73
2	Name & Location of the Project	Development of Residential Apartment Sy No. 73/1,2A,3, Hoodi Village, KR Puram Hobli, Bengaluru East Taluk, Bengaluru
3	Co-ordinates of the Project Site	Latitude : 13°0'7.89" N Longitude: 77°43'8.83" E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Kodigehalli lake- 0.73km (SE) Hoodi lake- 1.61 Km (S) Whitefield lake- 2.15 km (S) Yellamma lake- 2.10 km (N)
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	------
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Development of Residential Apartment
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	18,515.78 sqm.
7	Built Up area (Sqmt)	54,991.24 Sqmt
8	Building Configuration [Number of Blocks/Towers/Wingsetc.,with Numbers of Basements and Upper Floors]	2B+GF+9F+TF
9	Number of units in case of Construction Projects	183 units
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	82 Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	
a.	Ground Coverage Area	3,617.93 Sqmt
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for	3,558.06 Sqmt

	projects under 8(a) of the schedule of the EIA notification, 2006		
d.	Internal Roads		6,508.87 Sqm
e.	Paved area		
f.	Others Specify		4,830.92 Sqm(Future development)
g.	Parks and Open space in case of Residential Township/ Area Development Projects		Not Applicable
h.	Total		18,515.78 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		Not Applicable since it is new project
b.	Total quantity of Excavated earth (in cubic meter)		10,500 Cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)		10,500 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		10 KLD
c.	Quantity of water for Domestic Purpose in KLD		5 KLD
d.	Waste water generation in KLD		4 KLD
e.	Treatment facility proposed and scheme of disposal of treated water		will be treated in mobile STP
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Domestic	85 KLD
		Recycled	43 KLD
		Total	128 KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	109 KLD	

d.	STP capacity	110 KLD
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology
f.	Scheme of disposal of excess treated water if any	36 KLD of excess water will is used for non potable or other miscellaneous usages by Additional Filtration unit.
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	2×35cum
b.	No's of Ground water recharge pits	41no's
17	Storm water management plan	• Land is gently sloping terrain and sloping towards South direction. • Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn & roads. • Rainwater collection tank of capacity 2×35 cum is proposed which will be provided to collect the roof run off, which will be reused after prior treatment. • 41 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 – 25 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 –165 Kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 7 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 – 247 Kg/day Recyclable waste will be given to the waste collectors for recycling for further processing.
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste oil 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 waste generation and mode of	E-Wastes will be collected & stored in bins and disposed to the authorized & approved KSPCB E-

	Disposal as per norms	waste processors.
19	POWER	
a.	Total Power Requirement -Operational Phase	BESCOM - 500 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1X 380 kVA
c.	Details of Fuel used for DG Set	Diesel
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as Solar energy, LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 15.5%.
20	PARKING	
a.	Parking Requirement as per norms	Required = 403 no's, Provided = 563 no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	B
c.	Internal Road width (RoW)	Approach road width - 24 m Internal road width is- 8 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 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 seen from the village survey map there is a nala on the western side of the project site for which the proponent has stated that he has left buffer zone as per norms

As per the RMP 2015 a portion of land falls in Industrial zone and another portion falls in residential zone for which the proponent has stated that the portion which is falling under industrial zone is kept for future expansion and this proposal is only for residential portion of the project site.

As far as CER is concerned the proponent has stated that he has earmarked Rs.1.64 crores to take up remediation works in rain devastated areas of Hassan 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.

230.10 Proposed Development of Residential Apartment Project at Sy.Nos.60(P),61(P),63(P),64/1 & 65/1 of Chikkasanne Village,Kasaba Hobali, Devanahalli Tq, Bangalore By **M/s Godrej Projects North star LLP (SEIAA 121 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr.Mohammed Samiulla DGM-Liaison M/s. Godrej Projects North Star LLP, Prestige Obelisk, Kasturba Road, Ambedkar Veedhi, Sampangirama Nagara, Bengaluru-560001
2	Name & Location of the Project	Proposed "Godrej Bhatia" Residential Apartment Building project Sy No. 60(P), 61(P), 63(P), 64/1 & 65/1 Of Chikkasanne Village, Kasaba Hobli, Devanahalli Taluk, Bangalore
3	Co-ordinates of the Project Site	Latitude: 13°13'32.09"N Longitude: 77°41'15.04"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Doddasanne Lake is at a distance of 100 m towards South of 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.	Residential Apartment / Villas / Row Houses/Vertical Development/ Office/IT/ITES/Mall/Hotel/ Hospital/ other	Residential Apartment project
b.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)	52,609.13 sqm
7	Built Up area (Sqm)	1,35,031.66 sqm

8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	2B+G+ 16UF and a club house.
9	Number of units in case of Construction Projects	1349 Nos.
10	Number of Plots in case of Residential Township/ Area Development Projects	NA
11	Project Cost (Rs. In Crores)	150Cr
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	6647.55 Sqm (12.63%)
b.	Kharab Land	NA
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	17,361.01 Sqm (32.99 %)
d.	Internal Roads	12 m Width
e.	Paved area	28,608.84 sqm (54.38%)
f.	Others Specify	NA
g.	Parks and Open space in case of Residential Township/ Area Development Projects	--
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 earth (in cubic meter)	65,000
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	For back filling =30,000 For Landscape= 20,000 For Internal Road making =15,000
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 Treated Grey Water Will be used or STP treated water of our existing projects	
	b.	Quantity of water for Construction in KLD	100 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	5 KLD	
	d.	Waste water generation in KLD	4 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Mobile Treatment Plant	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	410
			Recycled	425
			Total	835
	b.	Source of water	Grama Panchayath	
	c.	Waste water generation in KLD	835	
	d.	STP capacity	230 KLD of sewage treatment plant and 530 KLD of sullage treatment plant	
	e.	Technology employed for Treatment	SBR	
	f.	Scheme of disposal of excess treated water if any	Excess treated water will be utilized for avenue plantations, nearby construction projects	
16	Infrastructure for Rain water harvesting			
	a.	Capacity of sump tank to store Roof run off	900 CuM	
	b.	No's of Ground water recharge pits	42	
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	1759 kg/day and is given to BBMP authorities	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1055 kg/day converted in to organic manure and used for garden	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	704 kg/day given to PCB authorized recycler	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	500-600 Lts/one B check given to PCB authorized recycler	

	d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	NA
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	
19	POWER		
	a.	Total Power Requirement - Operational Phase	2.6 MW
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	625 KVA X 6 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	25% we are achieved
20	PARKING		
	a.	Parking Requirement as per norms	1134
	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 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 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 stated that he has earmarked Rs.4.00 crores to take up rejuvenation of Chikkasanne kere which is about 1.50 KM from the project site.

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.

230.12 Proposed Development of Residential Apartment Project at Sy.Nos.26/2B,27/1 & 27/2 of Kodigehalli Village,KR Puram Hobali, Devanahalli Tq, Bangalore **By M/s Mukunda Developers (SEIAA 122 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. MUKUNDA DEVELOPERS No. 49, Ground Floor, Balaji Layout, 1st Cross, Kodigehalli Village, K.R.Puram, Bangalore - 560036
2	Name & Location of the Project	Development of Residential Apartment Sy No. 26/2B, 27/1 &27/2, Kodigehalli Village, K.R. Pura Hobli, Bangalore East Taluk, Bangalore-560048
3	Co-ordinates of the Project Site	Latitude : 13° 00' 32.63"N Longitude: 77°43'41.23"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Yele Mallappa Shetty lake- 1.26 km (N) Hoodi Lake- 2.44 Km (S) Kodigehalli lake- 0.67 km (S) Seegehalli lake- 1.7 km (NW)
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	Development ofResidential Apartment
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	10,066.47 sqm
7	Built Up area (Sqmt)	24,143 sqm
8	Building Configuration [Number of Blocks/Towers/Wingsetc.,with	SF+GF+3UF

	Numbers of Basements and Upper Floors]	
9	Number of units in case of Construction Projects	212units
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	39Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	
a.	Ground Coverage Area	4296.37sqm
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	4295.80sqm
d.	Paved area& driveways	2448.16 sqm
e.	Internal Roads	---
f.	Others Specify- Landscape area	3321.94 Sqm
g.	Parks and Open space in case of Residential Township/ Area Development Projects	Not Applicable
h.	Total	10,066.47Sqmt
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)	8,590Cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	8,590 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	10 KLD	
c.	Quantity of water for Domestic Purpose in KLD	4.95 KLD	
d.	Waste water generation in KLD	12.7KLD	
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	103KLD
		Recycled	55KLD
		Total	158KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	135KLD	
d.	STP capacity	140 KLD	
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
f.	Scheme of disposal of excess treated water if any	There is no excess treated wastewater from the proposed project.	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	1×120 cum	
b.	No's of Ground water recharge pits	28no's	
17	Storm water management plan	• Land is gently sloping terrain and sloping towards Southdirection. • Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn & roads. • Rainwater collection tank of capacity 1×120cum is proposed which will be provided to collect the roof run off, which will be reused after prior treatment. • 28 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 - 10kg/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	Quantity -191Kg/day Organic wastes will be segregated & collected	

	as per norms	separately and processed in organic waste converter Sludge generated from STP of capacity 12.15kg/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 - 286Kg/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 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 - 600kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1X500 KVA
c.	Details of Fuel used for DG Set	Diesel
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as Solar energy, LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 14.5%.
20	PARKING	
a.	Parking Requirement as per norms	Required =234no's, Provided = 234no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	--
c.	Internal Road width (RoW)	Approach road width - 9.14m Internal road width is-5m

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 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 stated that he has earmarked Rs.78.00 lakhs to take up water supply, water conservation works and plantation works in the near by schools and colleges .

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.

13th September 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
Dr. K.B Umesh	-	Member
Shri M. Srinivasa	-	Member
Shri J.G Kaveriappa	-	Member
Shri G.T Chandrashekarappa	-	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,IFS	-	Secretary

EIA Proposal

230.13 Proposed Expansion of Synthetic Organic Chemicals, Cosmetics Manufacturing and R & D Unit Project at Plot Nos.54P of Kolhar Village, Bidar Taluk, Bidar District by M/s. Vivimed Labs Limited, Unit-1(SEIAA 35 IND (VIOL) 2018)

Title of the Project	Synthetic Organic Chemicals, Cosmetics manufacturing unit (25 TPM) in Plot No. 54P, Kolhar Industrial Area, Bidar Taluk & District,Karnataka State by **M/s. Vivimed Labs Limited, Unit-II (Violation)**
Category of Project	**B**
Project Proponent	Mr. Santhosh Varalwar, MD & CEO **Authorised Signatory:** **S. Raghunandan, Director - Operations**

<table>
<tr><td></td><td>M/s.Vivimed Labs Limited</td></tr>
<tr><td>Land acquired</td><td>1.21 Ha (12135 sq.m.)
Total land is in possession of Project Proponent.</td></tr>
<tr><td>Cost of the Project</td><td>Rs. 9.71 crores</td></tr>
<tr><td>Cost towards environmental Protection measures</td><td>Capital :Rs. 180 lakhs
Recurring Cost : Rs. 250 lakhs Crores per annum</td></tr>
<tr><td>Production capacity</td><td>Permitted products and their capacities: Total Production Capacity- 25 TPM
<table>
<tr><th>Sl. No</th><th>Products</th><th>Quantity (Kg/day)</th><th>Quantity (TPM)</th><th>Quantity (TPA)</th></tr>
<tr><td colspan="5">Plot: 54P</td></tr>
<tr><td>1.</td><td>Paracetamol</td><td>833.3</td><td>25</td><td>300</td></tr>
<tr><td></td><td>Or</td><td></td><td></td><td></td></tr>
<tr><td>2.</td><td>Benzethonium Chloride</td><td>16.7</td><td>0.5</td><td>6</td></tr>
<tr><td>3.</td><td>Zinc Pyrithion (ZPTO)</td><td>800</td><td>24</td><td>288</td></tr>
<tr><td>4.</td><td>4 Phenylppiperidine-4-carboxylic acid p-tosylate (PET-4)</td><td>16.7</td><td>0.5</td><td>6</td></tr>
<tr><td colspan="2">Total</td><td>833.33</td><td>25</td><td>300</td></tr>
</table></td></tr>
<tr><td>Proposed air pollution control measures</td><td>Process Emissions: Two stage scrubbers are provided with water and caustic solution based on the characteristics of gases

Boiler emissions: Multicyclone separatorswith a stack height of 30 m installed for 5, 3 & 2 TPH coal fired boilers for controlling the Particulate emissions.

DG sets: Stacks are provided to the existing DG sets of 750 KVA, 380 KVA & 250 KVA. DG sets will be used as standby during power failure.</td></tr>
<tr><td>Water Requirement</td><td>Water Requirement – 36.5KLD
Source : Tankers</td></tr>
<tr><td>Wastewater treatment</td><td>
<table>
<tr><th>Description</th><th>Water Requirement (KLD)</th><th>Wastewater Generation in KLD</th><th>Treatment Method</th></tr>
<tr><td>Process</td><td>5.0</td><td rowspan="2">6 (Trade Effluent)</td><td rowspan="2">The effluent shall be neutralized and treated in MEE. Condensate shall be used for cooling. Boiler blow down and cooling tower blow down shall be used for ash quenching</td></tr>
<tr><td>Boiler & Cooling tower</td><td>25.0</td></tr>
<tr><td>Gardening</td><td>5.0</td><td>--</td><td>--</td></tr>
</table></td></tr>
</table>

	Domestic	1.5	1.2	Septic tank & Soak pit
	Total	**36.5**	**7.2**	

Recycle & Reuse	Treated effluent will be reused in Cooling Towers. Domestic wastewater sent to Septic tank.

Solid/Hazardous waste management and disposal

Sl. No	Name of the Hazardous Waste	Quantity of Waste	Disposal Option
1.	Waste oil and grease	0.2 KL/A	Shall be collected in leak proof containers & disposed only to KSPCB registered authorized re-processors provided the oil meets the standards as per Schedule-5 Part A of the Rules
2.	Organic residue	298.5 MT/A	Shall be stored in a secured manner and handed over to KSPCB authorized incinerators/ cement kiln.
3.	Spent carbon	18 MT/A	
4.	Discarded containers	100 No's/A	
5.	ETP sludge & Evaporation sludge	2379.6 MT/A	Shall be stored in a secured manner and handed over to TSDF

The proposal was placed before the committee for appraisal.

The Proponent and Environment Consultant attended 208th meeting held on 22-9-2018 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, pre-feasibility report, proposed ToRs and clarification/additional information provided during the meeting. The committee decided to recommend the proposal to SEIAA for issue of Standard ToRs and following additional ToRs to conduct the EIA studies in accordance with the EIA Notification 2006 and relevant guidelines.

1) Compliance to CFO conditions
2) Material balance and mass balance for all the products
3) Detailed study of the soil analysis inside the premises of the industry is to be done and provided

4) Raw material to product and product to waste generation ratio for each product to be given
5) Impact on the adjacent land due to this activity as the proponent is using toxic raw materials and produces toxic wastes which may ultimately reach the adjoining areas
6) Water analysis to be done for all the parameters for all the nearby borewells within 2 km radius
7) Details of adjacent industries and impact on the same from this industry
8) Existing greenbelt details and proposed with design to be provided
9) In the monitoring protocols of the ambient air, VOC to be incorporated
10) Solvent storage and solvent recovery system to be explained
11) Green chemistry adopted in the process to be highlighted
12) List of banned chemicals to be provided and alternative chemicals to replace the banned chemicals
13) Recent baseline data generated by the KSPCB/CPCB if any and this shall be compared with the previous baseline data generated by the industry.
14) 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
15) Provide the solvents storage plan with quantity as per standard norms highlighting any special precautions adopted for storage.
16) Identify and evaluate the steps in the manufacturing of your products that may represent risks to personal or equipment and conduct a detailed investigation and present the hazop study along with risk assessment, disaster management of worst case scenario, all control equipments and mitigation measures adopted, emergency preparedness and onsite emergency plan.
17) Compatibility of the different waste generated, including their segregation and storage.
18) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NAB, or a laboratory of a Council of Scientific and Industrial Research CSIR) institution working in the field of environment.
19) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
20) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
21) The Proponent shall assess the environmental damage done due to use of septic tank and soak pit.

The agenda of the subject to be read as shown above. The proponent has also submitted a letter dated:17-8-2019 informing the Authority about the change of their corporate office from " Vivimed Labs Ltd, 2nd Floor, Veernag Towers, Habsiguda,

Hyderabad-500007" to "Vivimed Labs Limited, North End, Road No.2, Banjara Hills, Hyderabad-500034".

Accordingly ToRs were issued on 3-11-2018. The proponent has submitted the EIA report on 23-8-2019 and the same was place before the committee for appraisal.

The proponent was invited for the 230th meeting held on 13-9-2019 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.

During appraisal, as far as violation is concerned, the proponent has stated that as per the analysis carried out no damage has been caused for water, Air and soil and he also stated there is no ecological damage to the surrounding with respect various environmental activities from the industry during the violation period. He also stated that he has run the industry unit for less than six months before the closure order was issued. The industry was operated based on CFE/CFO issued by KSPCB and he reiterated that he had no intention to violate any of the order issued by the competent authorities. As seen from the records he has planted only 150 plants in place of 600 plants mandated. As per the records submitted by the proponent he has said that he has made a profit of nearly 43.00 lakhs in that period and taking this into consideration and also the fact that he has not planted 450 plants, the committee felt a total of Rs.50.00 lakhs including the profit earned during that period may be levied and project may be delisted from the violation category. For this the proponent has stated that in some of the violation category projects appraised by EAC, MoEF , it has levied 10% of the profit towards ecological remediation measures and taking this into consideration he has agreed to bear total of 12.00 lakhs towards remediation measures.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance.

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

230.14 Proposed Expansion and Modernizaiton of Tech Park & Hotel Project at Sy.Nos.43, 44(P) and 46(P) of Electronic City (Doddathoguru Village) Phase-I, Hosur Road, Bengaluru District **by M/s. Velankani Information Systems Limited(SEIAA 72 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Velankani Information Systems Limited No. 43, Velankani Tech Park, Electronics City Phase-1, Hosur Road, Bengaluru- 560100, Karnataka; Phone No. +91- 80 661 45807, velankanigroup.com
2	Name &	"Velankani Tech Park and Hotel" at Sy. No. 43, 44 (P) and 46(P),

	Location of the Project	Electronic City (Doddathoguru Village), Phase I, Hosur Road, Bengaluru
3	Co-ordinates of the Project Site	Latitude: 12°50'56.83"N Longitude: 77°39'29.84"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Doddatoguru- 600m
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	Tertiary Nala passes through the project site towards the west side in south north direction. The proposed project is within the KIADB industrial area, where the natural nalas have be shifted or remodelled as per approved master plan. No Buffer is proposed. A letter from ELCITA stating that the Nala was shifted is enclosed for kind perusal.
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Offices, Food Court, Restaurant, Bar, Coffee Shop, Kitchen, Banquet, Conference Hall, Business Centre, Gym, Health Club and 284 Guest Rooms
b.	Residential Township/ Area Development Projects	
6	Plot Area (Sqm)	87,382.12Sq.m
7	Built Up area (Sqm)	1,49,848.18(Existing and under construction) + 1,37,859.82Sq.m (Expansion) = 2,87,708Sq.m
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Existing: Block 1 to 4 - G + 3 (Office) Block 5 to 7 - B + G + 3 (Office) Block 8 - G + 4 (Office) Block 9 - G + 1 (Food Court) MLCP - B + G + 4 Service Floor 1 - G Services Floor 2 - G Hotel - 2B + G + M + 14 (Restaurant, Bar, Coffee Shop, Kitchen, Banquet, Conference Hall, Business Centre, Gym, Health Club and 284 Guest Rooms. New Building - B + G + 3UF (Under Construction) to be expanded to 4B + G + 22UF
9	Number of units in case of Construction Projects	Not Applicable

10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	178 Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	29,502.27Sq.m
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	29,100Sq.m
d.	Internal Roads	28,779.85
e.	Paved area	--
f.	Others Specify	--
g.	Parks and Open space in case of Residential Township/ Area Development Projects	--
h.	Total	87,382.12Sq.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	5500Tonnes
b.	Total quantity of Excavated earth (in cubic meter)	80,000cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	80,000cum
d.	Excess excavated earth (in cubic meter)	Nil
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Not Applicable
15	WATER	
I.	Construction Phase	
a.	Source of water	Treated water from existing STP within the project campus
b.	Quantity of water for Construction in KLD	10KLD
c.	Quantity of water for Domestic Purpose	15KLD

		in KLD		
	d.	Waste water generation in KLD	20KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	BWSSB Sewer	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	606KLD
			Recycled	544KLD
			Total	1150KLD
	b.	Source of water	BWSSB through KIADB (Bangalore Water Supply & Sewerage Board, Rooftop Rainwater & Treated Water	
	c.	Waste water generation in KLD	985KLD	
	d.	STP capacity	300KLD x 2 Nos. + 475KLD x 1No.	
	e.	Technology employed for Treatment	MembraneBio Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	Treated water will be used for toilet flushing, landscaping, HVAC, etc.	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	Existing 350cum and Proposed 250KLD storage sumps	
	b.	No's of Ground water recharge pits	10 Nos. - Recharge Wells	
17		Storm Water Management plan	10Recharge Wells Depth are proposed along the internal storm water drain. Quantity of Surface Runoff – 579cu.m Storm Water Drain of size 0.6m x 0.6m along the boundary of the project site	
18		WASTE MANAGEMENT		
	I.	Construction Phase		
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	10kg/day of solid waste shall be disposed through BBMP waste management contractors	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1,685kg/day Bio Gas Plant	
	b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	2395kg/day Local Authorized Recyclers	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	2200 kg/annum Authorized Agencies	
	d.	Quantity of E waste generation and mode of	200 kg/annum Authorized Agencies	

		Disposal as per norms	
19		POWER	
	a.	Total Power Requirement - Operational Phase	22.5MVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1500KVA x 3Nos. + 1010KVA x 1No. + 1000KVA x 1No. + 600KVA x 1No. + 250KVA x 1No. + 2000KVA x 1No. + 1250KVA x 2Nos. + 3000KVA x 3 Nos. + 1000KVA x 1No. Boilers: 600Kg x 2Nos. + 3Lakh Kilo Cal/hr x 2Nos.
	c.	Details of Fuel used for DG Set	Low Sulphur High Speed Diesel (HSD) with Sulphur content less than 50ppm
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Timer based External Lights Solar lighting (Street and Landscape) BEE Star rated electromechanical systems shall be used in the development Solar PV Panels Use of Copper wound transformer Use of HF ballast for lighting Use of LED light fittings Building Orientation; Cross Ventilation; Total Savings - 28%
20		PARKING	
	a.	Parking Requirement as per norms	3,067 Car Parking Slots
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	24m wide Velankani Drive - C
	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 223rd meeting held on 28-5-2019 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 decided to recommend the proposal to SEIAA for issue of Standard ToRs and following additional ToRs to conduct the EIA studies in accordance with the EIA Notification 2006 and relevant guidelines.

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 green belt all around the project site.
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 (KWH/year/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.
16) The proponent to submit the list of flora and fauna found in the study area of 10 KM radius, if there are any Schedule-I fauna and RET species, the proponent to come up with suitable wildlife forest conservation plan prepared in consultation with forest authorities along with budget back up to be carried out in a time bound schedule.

Accordingly ToRs were issued on 12-7-2019. The proponent has submitted the EIA report on 28-8-2019 and the same was placed before the committee for appraisal.

The proponent was invited for the 230th meeting held on 13-9-2019 to present the EIA report.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, EIA Report and clarification/additional information provided during the meeting. The proponent has stated that the land in which the project is proposed has been acquired by KIADB and allotted to him in the year 1999 and he has also stated that the KIADB has formed the layout forming the roads and the road side drains to take care of proper drainage of the entire area without giving scope for any flooding even during the intense rainfall. Now this area is coming under ELCITA and ELCITA has also certified that the drainage provided by the side of the road is sufficient. As per village survey map there are certain tertiary and secondary nalas running on the western side of the project site for which the proponent has stated that the nalas are not existing now and rainwater from the drainage area is being drained out from the road side drain and hence no buffer zone has been left as per norms since the nalas are non existent now.

As per the concept plan for which EC was issued in 2018 the portion earmarked for food court consisting of G+1UF was proposed for demolition and in that place 1B+GF+4UF was proposed. Now this proposal is to have 4B+G+22UF. The proponent has also stated that he has just demolished the earlier food court and not commenced the construction.

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.

Recalled subject:

230.15 Proposed Industrial and Warehouse/Logistics project at Plot No.1A & 3, Jakkasandra Industrial Area, Sy.No.16/P1, 16/B-3, 16/B-4, 16/B-5, 16/B-6, 16/B-7, 16/B-8, 16/B-10, 127, 128, 129 to 134, 140 and 143 of Jakkasandra village, Kasaba Hobli, Malur Taluk, Kolar District **by M/s. Deerfield Logistics Private Limited (SEIAA 59 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Deerfield Logistics Private Limited, No.136, 2nd Floor,

		10th A Main Jayanagar 1st Block, Bangalore - 560 011.
2	Name & Location of the Project	M/s. Deerfield Logistics Private Limited (Industrial and Warehousing / Logistics Project) Plot No. 1 A & 3, Jakkasandra Industrial Area, Survey No. 16/P1, 16/B-3, 16/B-4, 16/B-5, 16/B-6, 16/B-7, 16/B-8, 16/B-10, 127, 128, 129 to 134, 140 and 143 Jakkasandra Village, Kasaba Hobli, Malur Taluk, Kolar District
3	Co- ordinates of the Project Site	Latitude : 13°01'16.61" N Longitude : 77°074' 66.18" E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Jakkasandra lake at 1.5 Km (South), Yantrakaipura lake at 1.7 Km (North East) and Nandigudi lake at 2.2 Km (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.	No water body is located within or adjoining the project.
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	Industrial and Warehousing / Logistics Project
c.	Residential Township/ Area Development Projects	Not Applicable.
6	Plot Area (Sqm)	2,58,999 sq m (64 Acres)
7	Built Up area (Sqm)	1,45,137.00 sq m
8	Building Configuration [Number of Blocks/ Towers/ Wings etc., with Numbers of Basements and Upper Floors]	Project consist of 16 Buildings with Partial Mezzanine Floors
9	Number of units in case of Construction Projects	
10	Number of Plots in case of Residential Township/ Area Development Projects	NA
11	Project Cost (Rs. In crores) towards expansion cost	Rs. 243,00,00,000- (Rupees Two Hundred and Forty

			Three Crores Only)
12	Recreational Area in case of Residential Projects / Townships		NA
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	1,30,968.50 sq m
	b.	Kharab Land	-
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	64,749.68 sq m
	d.	Internal Roads	63281.52 sq m
	e.	Paved area	
	f.	Others Specifty	
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
	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	Solid waste like construction debris generated during construction phase of about 100 cum will be used for preparation of sub grades for Roads, pavements and pathways.
	b.	Total quantity of Excavated earth (in cubic meter)	The proposed project is Industrial and logistics park which involves construction of buildings with Ground Floor and part mezzanine floor, hence earth excavation is necessary in the project will be only for foundations, footings etc., the excavated soil will be reused for site levelling within the project site.
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	
	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	Tertiary treated water
	b.	Quantity of water for Construction in KLD	NA
	c.	Quantity of water for Domestic Purpose of KLD	50 KLD

	d.	Waste water generation in KLD	45 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Sewage generated from the labor camp will be treated in package STP of capacity 50 KLD	
II.	Operational Phase			
	a.	Total Requirement of Water in KLD	Total water requirement	220 KLD
			Wastewater generated	175 KLD
			Water recycled for flushing	138 KLD
	b.	Source of water	KIADB source	
	c.	Waste water generation in KLD	175 KLD	
	d.	STP capacity	50 KLD and 175 KLD	
	e.	Technology employed for Treatment	-	
	f.	Scheme of disposal of excess treated water if any	The treated sewage will be re-used for gardening andflushing of toilet,	
16	Infrastructure for Rain water harvesting			
	a.	Capacity of sump tank to store Roof run off	2000 cum/day capacity roof top rain water storage tank is proposed	
	b.	No's of Ground water recharge pits	---	
17	Storm water management plan		Appended in the report	
18	WASTE MANAGEMENT			
	I.	Construction Phase	13 kg/day. The domestic wastes will be composted and the product will be used as manure	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	Total solid waste generated from the project site is 1100 Kg/day Organic solid waste will be treated in an organic converter, the product will used as manure for Landscape. The inorganic waste is sent for recycling.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	660 Kg/day will be treated in an organic converter.	
	b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	440 Kg/day will be handed over to recyclers.	
	c.	Quantity of Hazardous Waste generation and mod of Disposal as per norms	1000 Litres/annum will be disposed to KSPCB approved and CPCB register waste oil re-processors.	
	d.	Quantity of E waste generation and	NA	

		mode of Disposal as per norms	
19		POWER	
	a.	Total Power Requirement – Operational phase	Temporary power from BESCOM to operate construction machinery and Lighting for workers shed is 100 kVA.
	b.	Number of DG set and capacity in KVA for Standby Power Supply	6 X 125 kVA, 5 X 250 kVA, 4 X 500 kVA and 2 x 1000 kVAcapacity DG sets are proposed which will be provided with adequate stack height.
	c.	Details of Fuel used for DG Set	Ultra-Pure Low Sulphur Content Diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Details appended
20		PARKING	
	a.	Parking Requirement as per norms	945 Cars and 146 Truck spaces.
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	-
	c.	Internal Road width (RoW)	8 m wide fire driveway provided all-round the buildings
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 223rd meeting held on 27-5-2019 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 that earlier during the year 2017 an application was made out for this project area wherein the scope of the project was for construction of industrial and logistic park covering the activities of Light and Heavy Engineering, Automobile and its ancillary units, Industrial Logistics & assembling, IT Hardware and Packaging Facility and Industries. Now this application is for construction of warehouse in addition to above activities and this application has been made out both under category 7(c) and 8(a). As far as the scope of 7(c) is concerned the area of development being less than the 500 Ha EC is not required. As far as the scope under 8(a) is concerned the proponent has stated that it involves only construction of warehouses to an extent of 50,188.50 sqmts BUA. In view of the above the committee decided to confine the appraisal for the portion

covered under 8(a). The proponent has also stated this land area has been allotted in bulk after developing the layout by KIADB.

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

1) Scheme to utilize the entire terrace for solar power generation may be worked out and submitted.
2) Scheme to store and reutilize rainwater from the terrace area may be worked out and submitted.
3) Possibility of building eco-pond in the greenery area may be studied and submitted.

The proponent has submitted the replies vide letter dated 9-7-2019 and the same was placed before the committee for perusal. The committee after discussion and deliberation decided to recall for want of further clarification on the project.

The proponent was invited for the 230th meeting held on 13-9-2019 to provide required clarification.

The proponent and Environment consultant attended the meeting to provide clarification. In continuation the proponent has come up with a compliance to the earlier observation and consequent to which he has proposed to build rainwater storage tanks to a total capacity of 2,000 cum and production of 1270 KW of solar power utilizing the entire terrace area and also to create eco-pond in the land area of 6,000 sqmts with a capacity of 9,000 cum and he has also stated that he will make suitable provision in the EMP to create congenial ecosystem all round eco-pond. Further the proponent has made out a request stating that all the units will be utilized for warehouse/logistics and no industrial activity will be carried out and based on this he requested that the EC appraisal should be expanded to 1,45,137sqmts.

Based on this the committee after discussion and deliberation decided that the appraisal done earlier for 50,000 sqmts of BUA holds good for BUA of 1,45,137 sqmts also since no extra resources are involved.

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.

Deferred Subject:

230.16 Proposed Residential Apartment Project at Sy.Nos.99 & 100 (Old Sy.Nos.17 & 30) Subsequently Sy.Nos.76 & 77) of Nagasandra Village, Bengaluru North Taluk, Bengaluru Urban District **By Mr. Sudhir S Gupta (SEIAA 107 CON 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Sudhir.S.Gupta R/O No.604, Pooja Apartment 42, Vittal Mallya Road, Civil Station, Bangalore-560001
2	Name & Location of the Project	Proposed Residential Apartment Project at Sy. No. 99 & 100 (Old Sy. No. 17 & 30 & subsequently Sy. No. 76 & 77), Nagasandra Village, Yeshwanthpur Hobli, Bangalore North Taluk, Bangalore.
3	Co-ordinates of the Project Site	13°02'45.53"N 77°30'10.35"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	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)	7,446.11 m^2
7	Built Up area (Sqm)	38,213.69 m^2
8	Building Configuration Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Residential building 2B+G+19UF
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	NA

	Residential Projects / Townships		
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	1,720.05 Sqm (23.10%)
	b.	Kharab Land	NA
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2,196.60 sqm (29.5%)
	d.	Internal Roads	8mts Width
	e.	Paved area	3,529.45 Sqm (47.4%)
	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 earth (in cubic meter)	34,000
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	For back filling = 14,000 For Landscape= 10,000 For Internal Road making =10, 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	Fresh	118
			Recycled	97
			Total	215
	b.	Source of water	BWSSB	
	c.	Waste water generation in KLD	200	
	d.	STP capacity	200 KLD	
	e.	Technology employed for Treatment	Extended Aeration Treatment System	
	f.	Scheme of disposal of excess treated water if any	Excess 83 KLD treated water is used for avenue plantation and excess is disposed to Existing UGD	
16	Infrastructure for Rain water harvesting			
	a.	Capacity of sump tank to store Roof run off	25 m^3	
	b.	No's of Ground water recharge pits	10 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	338kg/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	220 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	18% 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)	8 mts

The proponent was invited for the 229th meeting held on 26-8-2019 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 was invited for the 230th meeting held on 13-9-2019. The proponent and Environment consultant attended the meeting. 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. However, a cart track road passes in this portion of land for which the proponent has stated that the cart track have been rerouted along the periphery of project site

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.

Fresh subjects:

230.17 Proposed Modification of Residential Apartment project at Sy.No.53 of Halehalli Village, Bidaralli Hobli, Bangalore East Taluk, Bangalore **by M/s. DS-MAX Properties Pvt Ltd(SEIAA 123 CON 2019)**

Sl. No	PARTICULARS	INFORMATION

1	Name & Address of the Project Proponent	M/S DS-MAX PROPERTIES Pvt Ltd, #1854, 17th Main Road, 30th 'B' Cross, 1st stage, 5th Block, HBR Layout, Bengaluru, Karnataka 560043
2	Name & Location of the Project	Proposed Residential Apartment project by M/S DS-MAX Properties Pvt Ltd at Sy. No 53 of Halehalli Village, Bidaralli Hobli, Bangalore East Taluk, Bangalore.
3	Co-ordinates of the Project Site	Lattitude: 13°02'08.44"N Longitude 77°42'7.31"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Kitnurlake 750 m (E) Ramapura Lake 2.00 Kms (NW) As per BDA Zoningregulation we have left 25m Buffer from the Edge of nala
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	There is no lake within 75 meter from the site boundary.As per BDA Zoningregulation we have left 25m Buffer from the Edge of nala
5	Type of Development	
a.	Residential group housing/ Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	ResidentialApartment
b.	Residential Township/ Area Development Projects	No
6	Plot Area (Sqm)	7,992.47sq.m.
7	Built Up area (Sqm)	28,578.3 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 1 building having 2 Basements + Ground Floor + 4 Upper Floors + Terrace Floor with total of 272 units. The total site area is 7,992.47 sq.m. The Gross BUA is 28,578.3 sq.m.
9	Number of units in case of Construction Projects	Total Number of Units is 272Nos.
10	Number of Plots in case of Residential Township/ Area Development Projects	-
11	Project Cost (Rs. In Crores)	56Crores
12	Recreational Area in case of	Playground area - 317.4 sq.m. And Senior

	Residential Projects / Townships		Citizen allocated area - 282.1 q.m.(7.5% of net plot area), Park area =828.78 Sq.m. (10.36% of Net plot area);
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	3,347.72 sq.m (41.89%)
	b.	Kharab Land	Nil
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2,637.52 sq.m (33%)
	d.	Internal Roads	2,007.23 sq.m. (25.11%)
	e.	Paved area	-
	f.	Others Specify	-
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	7,992.47sq.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)	43,616.00cu.m.
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	43,616.00cu.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	The sewage generated during the construction

		scheme of disposal of treated water	phase will be treated in the Mobile STP	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	37.67
			Recycled	43.25+61.20
			Total	142.12
	b.	Source of water	Gram Panchyath	
	c.	Waste water generation in KLD	135.01 KLD	
	d.	STP capacity	160 KLD	
	e.	Technology employed for Treatment	SBR Technology	
	f.	Scheme of disposal of excess treated water if any	No Disposal. The treated water will be reused for toilet flushing, landscaping in the project site, avenue plantation and Reuse after treating with ultrafiltration and reverse osmosis	
16		Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	181 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 = 0.2 kg/day 20 kg/day of waste will be generated. Separate collection bins will be used for organic and inorganic waste. Organic waste will be converted in organic convertor. Inorganic solid waste will be handed over to authorized recyclers.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	326.4kg/day. Biodegradable waste will be converted in organic convertor.	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	217.6kg/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 waste generation and mode of	E-waste generation will be very less	

		Disposal as per norms	
19	POWER		
	a.	Total Power Requirement - Operational Phase	1250 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 1250 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	• Energy saved by using Solar water Heater : 50000 kWH/ Year.....(a) • Solar Power Generation : • In non-monsoon season 100kWH x 30 x 8 Months = 24000kWH • In monsoon season 40kWH x 30 x 4 Months = 4800 kWH • Total SPV Power Generation in a year = 0.28 L kWH / Annum.....(b) • Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 0.50 + 0.28 L KWH = 0.78 L / Annum .....(c) • Total energy savings = 26.71 %
20	PARKING		
	a.	Parking Requirement as per norms	One car spacing for 1unitas the floor area is >50 sq.m. =+10% visitors Parking required is 65+142+21 = 228cars Total car Parking required as per NBC= 263 Parking Provided is 263 Ecs which is as Per NBC and MoEF Norms
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Halehalli Raoad–LOS - B
	c.	Internal Road width (RoW)	5 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 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 village survey map there is one secondary nala on the northern side of the project site for which the proponent has stated that he has left 25 meter buffer zone as per norms. This is a proposal for which EC was issued earlier for a BUA of 24,899.24 sqmts and construction work has not yet been started. Now this proposal is for a BUA of 28,578.3

sqmts with 272 units utilizing the benefit he has obtained regarding the buffer zone from the Hon'ble Supreme Court order.

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.

230.18 Proposed development of Office Building project at Sy.No.38/2 & 39/3A2 of Konappana Agrahara Village, Begur Hobli, Bangalore South Taluk **by M/s. Pride & Expert Properties (P) Ltd.,(SEIAA 124 CON 2019)**

Sl. No		PARTICULARS	INFORMATION
1		Name & Address of the Project Proponent	M/s. Pride And Expert Properties Pvt. Ltd. No. 901, 9th Floor, Pride Hulkul, No.116, Lalbagh Road, Bangalore-560027
2		Name & Location of the Project	Proposed Office Building Project Sy No. 55/1, Sy.No.38/2 & 39/3A2 OF Konappana Agrahara Village Begur Hobli, Bangalore South Taluk
3		Co-ordinates of the Project Site	12°50'38.33"N 77°40'29.34"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	Office Building
	a.	Residential Apartment / Villas	Office Building

		/ Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	
	b.	Residential Township/ Area Development Projects	NA

6	Plot Area (Sqm)	5,164.27 m^2
7	Built Up area (Sqm)	25,347.90 m^2
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	2B+G+Mezzanine Floor+6 UF
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)	50
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sqm)	

	a.	Ground Coverage Area	2226.31 Sqm(43.11%)
	b.	Kharab Land	NA
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1032.85 (20%)Sqm
	d.	Internal Roads	6mts Width
	e.	Paved area	1905.09 sqm (36.89 %)
	f.	Others Specify	--
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	

14	Details of demolition debris and / or Excavated earth		
	a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	NA
	b.	Total quantity of Excavated earth (in cubic meter)	42,000
	c.	Quantity of Excavated earth	For back filling = 20,000

		propose to be used in the Project site (in cubic meter)	For Landscape= 12,000 For Internal Road making =10,000	
	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	Our Existing STP or from BWSSB	
	b.	Quantity of water for Construction in KLD	100 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	4.5 KLD	
	d.	Waste water generation in KLD	3 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	Mobile sewage Treatment Plant	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	75
			Recycled	45
			Total	120
	b.	Source of water	BWSSB	
	c.	Waste water generation in KLD	115	
	d.	STP capacity	115 KLD	
	e.	Technology employed for Treatment	SBR	
	f.	Scheme of disposal of excess treated water if any	HVAC.	
16	Infrastructure for Rain water harvesting			
	a.	Capacity of sump tank to store Roof run off	120 KLD	
	b.	No's of Ground water recharge pits	9 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	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal	423 kg/day converted in to organic manure and used for garden	

		as per norms	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	282 Kg/day given to PCB authorized recycler
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	1000-1600 Lts/one B check given to PCB authorized recycler
	d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	150 Kg/year given to PCB authorized recycler
19	POWER		
	a.	Total Power Requirement - Operational Phase	2000 KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500KVA 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	18% we are achieved
20	PARKING		
	a.	Parking Requirement as per norms	196
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Traffic report is enclosed
	c.	Internal Road width (RoW)	6 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 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, IA, Conceptual plan and clarification/additional information provided during the meeting. As per the records it is noticed that the project site is located at a distance of 8.2 KM from the boundary of Bannerghatta National Park for which clearance from the National Board of Wildlife is mandatory for which the proponent stated that he will come back after furnishing the clearance from National Board of Wildlife.

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

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

230.19 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 PrivateLimited (SEIAA 125 CON 2019)**

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Darshita Housing Private Limited, 4th 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 2nd Phase, KonappanaAgrahara Village, BegurHobli, 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.,)	KonappanaAgrahara 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/ Area Development Projects	No

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	83 m^3

		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)	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.

	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	
	b.	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 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	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: 1,041 Nos. / Provided: 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	D	C
			Hosur (SR 2 -lanes)	C	C or D	C or D	B
			Bengaluru City	D	D	D	C

				(MCW 3 – lanes)				
				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.

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

230.20 Proposed Residential Apartment Project at Sy.No.42, 44/1 and 44/2, Channasandra Village, Bidarahalli Hobli, Bangalore East Taluk 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 Applicable.	NA
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 earth (in cubic meter)	37,000
	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	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	19% we have achieved	

		plan for utilization of solar energy as per ECBC 2007	
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.

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

Mining Proposals:

230.21 Proposed Building Stone Quarry Project at Sy.No.168 of Varlakonda Village, Somenahalli Hobli, Gudibande Taluk, Chikkaballapura District (2-00 Acres) **By Sri K. Devaraj (SEIAA 539 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 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.

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

230.22 Proposed Building Stone Quarry Project at Sy.No.119 of Cholanakunte Village, Mulbagal Taluk, Kolar District (4-00 Acres) **By Sri Sonnegowda (SEIAA 540 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 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.

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

230.23 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)**

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.

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

230.24 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)**

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.

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

230.25 Proposed Building Stone Quarry Project at Sy.No.64 of Yelagondahalli Village, Mulbagal Taluk, Kolar District (Q.L.No.879) (4-20 Acres) **By Sri C. Nagaraj (SEIAA 543 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 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.

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

230.26 Proposed Building Stone Quarry Project at Sy.No.129 of Nutave Village, Malur Taluk, Kolar District (Q.L.No.1003) (10-00 Acres) **By Sri S.N. Srinivasa Shetty (SEIAA 544 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 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.

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

230.27 Proposed Building Stone Quarry Project at Sy.No.26 of Basavanayakanahalli Village, Holenarasipura Taluk, Hassan District (Q.L.No.HMG-540) (1-20 Acres) **By Sri B.G. Thimmegowda (SEIAA 545 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 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.

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

230.28 Proposed Building Stone Quarry Project at Sy.No.404 of Yalagadahalli Village, Chikkaballapura Taluk & District (Q.L.No.234) (2-00 Acres) **By Sri J.P. Prakash (SEIAA 546 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 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.

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

230.29 Proposed Ordinary Sand Quarry Project at Sy.Nos.137/2, 138/1 & 138/2 of Jalihala Village, Badami Taluk, Bagalkote District (11-36 Acres) **By Sri Beerappa A Walikar (SEIAA 547 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 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.

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

230.30 Proposed Ordinary Sand Quarry Project at Sy.Nos.5/1,2,3,4 & 10A/1,2,3,4,5 of Hebballi Village, Badami Taluk, Bagalkote District (8-00 Acres) **By Sri Subhas Angadi (SEIAA 548 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 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.

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

With the permission of Chairman

230.31 Pro-posed Expansion of Ethanol plant project at Sy.No.135, 139/1, 139/2, 140, 140/1, 141/1, 148/1, 148/2, 149, 150, 151, 152, 167, 168/1/2/3 of Bellad Bagewadi Village, Hukkeri Taluk, Belgaum District **by M/s. Vishwaraj Sugar Industries Ltd., (SEIAA 28 IND 2019)**

The proposal was placed before the 229th meeting held on 27th August 2019 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 proponent and Environment consultant during the meeting made out a request to appraise this project under category B2.

The committee after due deliberation opined that the request of the proponent cannot be considered since it has already been classified under B1, for which the proponent stated that he will come back with proper justification/relevant records to claim this project to be categorised as B2. Hence the committee after discussion decided to recall the subject.

The proponent has submitted the replies vide letter dated:29-8-2019 & 5-9-2019 and the same was placed before the committee for perusal.

The proponent and Environment Consultant attended the 230th meeting held on 13-9-2019 to provide required clarification.

The committee noted that this proposal is for production of Ethanol from rectified spirit. The proponent has stated that he has obtained EC for rectified spirit product and manufacture of 30 KLPD ethanol. Now this proposal is to increase the ethanol production from 30 KLPD to 100 KLPD. The process involved is vaporization of ethanol from rectified spirit in order to dehydrate the rectified spirit and the raw materials involved are rectified spirit and no chemical reaction is involved. The steam and other things involved in this process proposed to obtain from the processes covered under EC issued for manufacture of rectified spirit. As per the EIA Notification 2006 the production of Ethanol from rectified spirit is not coming under EC ambit. However as per the MoEF & CC, GoI Notification Dated:17-1-2019 it is mandated to have EC for ethanol production if capacity expansion of sugar manufacturing or distilleries is involved. Since in this project no expansion is involved either in sugar manufacturing or in distillery the proponent has reiterated that this process is out of EC ambit.

During appraisal it was brought to the notice of the committee that the certified compliance to the earlier EC has not been obtained from MoEF, Regional office and in the absence of the same committee could not proceed further with the appraisal.

Hence, the committee after discussion & deliberation decided to defer the subject.

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

230.32 Proposed Building Stone Quarry in 1-00 Acre of Sy.No.75, Kaverahalli Village, Bangarpet Taluk, Kolar District **by M/s. Deepa Traders (SEIAA 214 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	M/s. Deepa Traders Managing Partner: Sri. Vedagi Chetti KaveraHalli Village, Bethamangala Hobli, Bangarpet Taluk, Kolar Ditrict, Bangalore.		
2	Name & Location of the Project	Building Stone Quarry in 1-00 Acres of Govt. Land bearing Sy. No. 75, KaveraHalli Village, Bangarpet Taluk Kolar District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 12° 57'33.67"	E 78° 19'13.96"
		B	N 12° 57'33.95"	E 78° 19'12.07"
		C	N 12° 57'34.98"	E 78° 19'14.28"
		D	N 12° 57'36.41"	E 78° 19'11.14"
4	Type of Mineral	Building Stone		
5	New / Expansion / Modification / Renewal	Renewal (Q.L.962)		
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 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 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	NA		

	of mining proposals other than river sand	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	24,777 (Avg.) Tons/ Annum
14	Quantity of Topsoil/Over burden in cubic meter	None
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	2,528 Tons/Annum

The proposal was placed before the 224th meeting held on 14-6-2019 for appraisal as per the above furnished information by the proponent.

The Committee noted that, as per the quarry plan and audit report submitted by the proponent, the quantity permitted is already been extracted. Hence the committee decided to recommend the proposal for closure.

The Authority during the meeting held on 4th July 2019 perused the proposal and took note of the recommendation of SEAC. The Authority after discussion decided to close the file and delist from the pendency.

Subsequently, the proponent vide letter dated:25-7-2019 have requested to reopen the file. The Authority decided to re-open the file and forwarded to SEAC for appraisal on accordance with law after payment of required processing fee.

The proponent has paid the required processing fee on 29-7-2019 and hence the file has been forwarded to SEAC for further needful.

The proponent and Environment consultant attended the 230th meeting held on 13-9-2019 to provide required clarification and additional information.

As per the mining pit survey the total quantity extracted out of 20 guntas of land come to about 30,000 tons and the balance of 28,500 tons is extracted in the one acre piece of lease area. The proponent has stated now the lease area is got reduced from one Acre 20 guntas to one Acre. The 20 guntas land which was granted earlier was deleted because it was in the private patta land. As per the quarry plan there is a level difference of 12 meter within the mining area and taking this into consideration and also the fact that he has already mined 28,500 tons the committee opined that 65% of the proposed quantity of 123887 tons for the plan period of five years can be mined safely and scientifically for a quarry pit depth of 10 meters.

Since this lease was granted prior to 9-9-2013, proponent has claimed exemption from the cluster effect. 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 200 meters connecting lease area to all weather black topped road.

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.

230.33 Proposed Sand Block Project at Sy.No.8/2 of Kaddaragi Village, Chittapur Taluk, Kalaburgi District (5-04 Acres) **by Sri. Vinay(SEIAA 627 MIN 2019)**

<table>
<tr><th>Sl. No</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Sri. Vinay
S/o Sunil Vallapur
#1-891/30/25a, Shrinagar NGO Colony, Jewargi Road,Kalaburagi.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>Kaddaragi Sand Block" of Sri. Vinay at Sy No.8/2 inKaddaragi - Village, Chittapur – Taluk, Kalaburagi – District, Karnataka. "</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td>
<table>
<tr><th>SL.No</th><th colspan="3">Latitude (N)</th><th colspan="3">Longitude (E)</th></tr>
<tr><th></th><th>D</th><th>M</th><th>S</th><th>D</th><th>M</th><th>S</th></tr>
<tr><td>A</td><td>17</td><td>10</td><td>22.1</td><td>77</td><td>00</td><td>57.8</td></tr>
<tr><td>B</td><td>17</td><td>10</td><td>23.3</td><td>77</td><td>00</td><td>52.0</td></tr>
<tr><td>C</td><td>17</td><td>10</td><td>21.1</td><td>77</td><td>00</td><td>51.8</td></tr>
<tr><td>D</td><td>17</td><td>10</td><td>18.6</td><td>77</td><td>00</td><td>53.3</td></tr>
<tr><td>D</td><td>17</td><td>10</td><td>18.0</td><td>77</td><td>00</td><td>57.0</td></tr>
</table>
</td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Ordinary Sand Quarry</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>New</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Patta Land</td></tr>
<tr><td>7</td><td>Whether the project site fall within ESZ/ESA</td><td>No</td></tr>
<tr><td>8</td><td>Area in Ha</td><td>2.063Ha</td></tr>
<tr><td>9</td><td>Actual Depth of sand in the lease area in case of River sand</td><td>3.25 m</td></tr>
<tr><td>10</td><td>Depth of Sand proposed to be removed</td><td>NA</td></tr>
<tr><td>11</td><td>Rate of replenishment in case of river sand mining as specified in</td><td>It's a Ordinary Sand Quarry</td></tr>
</table>

	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		Fresh Land	
13	Annual Production Proposed (Metric Tons/ CUM) / Annum		18,430 tons/annum	
14	Quantity of Topsoil/Over burden in cubic meter		NA	
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		There is no such reduction of waste.	
16	Project Cost (Rs. In Crores)		0.95 crores	
17	Environmental Sensitivity			
	a.	Nearest Forest	None Within 5kms	
	b.	Nearest Human Habitation	Kaddaragi - 0.64 Kms(S)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Chittapur - 9.91 Kms.	
	d.	Water Bodies	Kagina River – 55 mts (S)	
	e.	Other Specify	--	
18	Applicability of General Condition of the EIA Notification, 2006			
19	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	1.687	
	b.	Waste Dumping Area	--	
	c.	Mineral Storage Area	--	
	d.	Infrastructure Area	--	
	e.	Road Area	--	
	f.	Green belt / Afforestation	0.376	
	g.	Unexplored area	--	
	h.	Others Specify	--	
20	Method of Mining/ Quarrying		Manual Method	
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	0.14KLD
			Domestic	0.49 KLD
			Other	1.76 KLD
			Total	2.8 KLD
23	Storm water management plan		• 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 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, 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 55 meters from Kagina River. The average top level of the sand block is 390 meters and dry weather flow(bed level) of the river is 381 meters. The depth of mining is 3.25 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 53,575 cum or 92,150 tons for a plan period of five years can be mined safely and scientifically.

The proponent has also stated that he will build a cart track road to a length of 380 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.3.00 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) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
2) The overall depth of mining shall not exceed 3.25 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.

230.34 Proposed Building Stone Quarry Project at Sy.No.352/2 of Muttagi Village, Kalaghatagi Taluk, Dharwad District (2-00 Acres) **by Sri. B.S Patil (SEIAA 618 MIN 2019)**

<table>
<tr><th>Sl. No</th><th>PARTICULARS</th><th>INFORMATION</th></tr>
<tr><td>1</td><td>Name & Address of the Project Proponent</td><td>Sri.V S Patil.
ShanthveerNiliya, 1stcross,Jayanagar
Taluk: Kalaghatagi, Dist :Dharwad-01
State :Karnataka.</td></tr>
<tr><td>2</td><td>Name & Location of the Project</td><td>MuttagiVillage
Kalaghatagi Taluk, Dharwad District,
Karnataka.</td></tr>
<tr><td>3</td><td>Co-ordinates of the Project Site</td><td><table><tr><td>1.</td><td>N15°15'33.20"</td><td>E74°58'32.53"</td></tr><tr><td>2.</td><td>N15°15'33.13"</td><td>E74°58'35.13"</td></tr><tr><td>3.</td><td>N15°15'36.16"</td><td>E74°58'35.44"</td></tr><tr><td>4.</td><td>N15°15'36.04"</td><td>E74°58'32.80"</td></tr></table></td></tr>
<tr><td>4</td><td>Type of Mineral</td><td>Building Stone.</td></tr>
<tr><td>5</td><td>New / Expansion / Modification / Renewal</td><td>New</td></tr>
<tr><td>6</td><td>Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]</td><td>Private Land.</td></tr>
<tr><td>7</td><td>Whether the project site fall with in ESZ/ESA</td><td>No</td></tr>
<tr><td>8</td><td>Area in Ha</td><td>2.0 Acre (0.8097 Ha) Sy No: 352/2</td></tr>
<tr><td>9</td><td>Actual Depth of building stone in the lease area /Patta Land</td><td>Depth of building stone in Private land -20mt(from top level).</td></tr>
</table>

	building stone			
10	Depth of building stone proposed to be removed		Depth of building stone proposed-12 mt (from Surface level)	
11	Annual Production Proposed (Metric Tons/ CUM) / Annum		50035 TPA	
12	Quantity of Topsoil/Over burden in cubic meter		Waste-2633 tons/annum.05 years-13165 tons	
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		Nil	
14	Project Cost (Rs. In Crores)		20 Lakh	
15	Environmental Sensitivity			
	a.	Nearest Forest	Reserve Forest 4km from applied area.	
	b.	Nearest Human Habitation	Muttagi -0.90 km	
	c.	Educational Institutes, Hospital	Kalaghatagi-12km	
	d.	Water Bodies	NilasagarKere -6.0km.	
	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	1-18	
	b.	Road Area	0-01	
	c.	Others Specify Safety Zone	0-21	
		Total	2.0 Acre(0.8097 Ha)	
18	Method of Mining/ Quarrying		Semi Mechanised Quarrying	
19	Water Requirement			
	a.	Source of water	Near By Own Borewell.	
	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 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, 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 31-7-2019.

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 65% of the proposed quantity of 94,051 cum or 2,50,174 tons can be mined safely and scientifically to a quarry pit depth of 12 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are no other leases within the 500 meter radius and this being less than the threshold limit of 5 Hectares, the committee decided to categorise this proposal under B2 category 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 500 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.4.00 lakhs to take up rejuvenation of Muttagi pond which is at a distance of 900 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.

230.35 Proposed Building Stone Quarry Project at Sy.No.92/2D/1 of Linganakoppa village, Kalaghatagi Taluk, Dharwad District (2-07 Acres) **by Sri. Arif Hussain Malagi(SEIAA 619 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri.ArifHussainMalagi. 116/92 Krvadi Layout KB Layout, Jayadeva Circle Davanagere-577002.
2	Name & Location of the Project	LingankoppaVillage , KalaghatagiTaluk, Dharwad District.

3	Co-ordinates of the Project Site			
		A.	N15°18'26.02"	E74°58'47.92"
		B.	N15°18'26.77"	E74°58'52.94"
		C.	N15°18'25.46"	E74°58'53.14"
		D.	N15°18'25.09"	E74°58'51.58"
		E.	N15°18'24.72"	E74°58'48.00"
4	Type of Mineral	Building Stone.		
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 with in ESZ/ESA	No		
8	Area in Ha	2A-07 G (0.8785 Ha) Sy No:92/2D/1		
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-12 mt (from Surface level)		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	45759 TPA		
12	Quantity of Topsoil/Over burden in cubic meter	Waste-2408 tons/annum.05 years-12040 tons		
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Nil		
14	Project Cost (Rs. In Crores)	25 Lakh		
15	Environmental Sensitivity			
	a.	Nearest Forest	Reserve Forest 2km from applied area.	
	b.	Nearest Human Habitation	Linganköppa -1.20 km	
	c.	Educational Institutes, Hospital	Kalaghatagi-12km	
	d.	Water Bodies	NilasagarKere -1.0km.	
	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	1-18	
	b.	Road Area	0-01	
	c.	Others Specify Safety Zone	0-28	
		Total	2A-07 G(0.8785 Ha)	
18	Method of Mining/ Quarrying		Semi Mechanised Quarrying	
19	Water Requirement			
	a.	Source of water	Near By Own Borewell.	
	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 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, 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 14-8-2019.

As seen from the quarry plan there is a level difference of 3 meters within the mining area and taking this into consideration the committee opined that 60% of the proposed quantity of 86,013 cum or 2,28,795 tons can be mined safely and scientifically to a quarry pit depth of 12 meters for a plan period of five years.

As per the cluster sketch approved by DMG there are five other leases within the 500 meter radius and combined area of six leases including this lease is 7 Acres 28 guntas which is being less than the threshold limit of 5 Hectares, the committee decided to categorise this proposal under B2 category 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 200 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.4.00 lakhs to take up rejuvenation of Linganakoppa kere which is at a distance of one kilometer 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.

230.36 Proposed Koluru Natural Sand Quarry Project in Patta Land in Sy.Nos.98/1, 98/2 & 98/3 of Koluru village, Devadurga Taluk, Raichur District (10-12 Acres(2.05 Ha) **by M/s. Horizon Mining(SEIAA 649 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	**Sri Dhanaraj BharathiNarasimha,** Partner,M/s. Horizon Mining, No 4, Anaga, 3rd floor, Above Coffee Day shop, Anjaneya Temple Road, Devasandra, New BEL Road, Opposite MS Ramaiah Hospital, Bengaluru - 560 094.
2	Name & Location of the Project	"Koluru Natural Sand Quarry" Over an extent of 10-12 Acres (4.168 Ha) In Patta Land, Sy. No - 98/1, 98/2 and 98/3 in Koluru - Village, Devadurga - Taluk, Raichur - District, Karnataka.
3	Co-ordinates of the Project Site	**GPS CO-ORDINATES** POINTS / LATITUDE / LONGITUDE A: 16° 21' 59.3" / 77° 10' 00.5" B: 16° 21' 56.3" / 77° 10' 00.0" 1: 16° 21' 53.8" / 77° 10' 08.7" 2: 16° 21' 53.3" / 77° 10' 10.3" 3: 16° 21' 50.4" / 77° 10' 09.0" 4: 16° 21' 51.0" / 77° 10' 07.5" 5: 16° 21' 56.1" / 77° 09' 54.4" 6: 16° 22' 00.2" / 77° 09' 55.2" DATUM : WGS-84 Hddd° mm' ss.s"

4	Type of Mineral		**Natural 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		4.168 Ha
9	Actual Depth of sand in the lease area in case of River sand		NA
10	Depth of Sand proposed to be removed		7.0m
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016		Not Applicable For Patta land
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		80,000Tons/annum
14	Quantity of Topsoil/Over burden in cubic meter		Topsoil 1.0m and Sand upto a depth of 7.0m
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum		No waste Available
16	Project Cost (Rs. In Crores)		1.18 crores
17	Environmental Sensitivity		
	a.	Nearest Forest	None within 15 Kms
	b.	Nearest Human Habitation	Koluru - 1.90Kms (NE)
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Devadurga – 24.25kms (NW).
	d.	Water Bodies	50m buffer is left from the High Flood Level of Halla at East

	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	8-05	
	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	2-07	
	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	3.05 KLD
			Domestic	0.80 KLD
			Other	0.55 KLD
			Total	4.4KLD
23	Storm water management plan		• 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 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, Pre-feasibility report approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a fresh lease involving sand mining in patta land. The proponent has stated that he has obtained NOCs from Forest, Revenue Dept., and has applied for land conversion order and demand note in this regard has also been received. The lease has been notified on 7-9-2019 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 nearby nala. The average top level of the sand block is 360 meters and dry weather flow(bed level) of the river is 346 meters. The depth of mining is 8.0 meters including 1.0 meter

depth of top soil 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 and the top soil generated will be stored in the untackled sub block and the mining in the untackled sub block will be taken up after clearing the top soil and utilizing the topsoil for filling the tackled block. Taking this into consideration the committee opined that the proposed quantity of 2,32,558 cum or 4,00,000 tons for a plan period of five years can be mined safely and scientifically.

The proponent has also stated that there is a existing cart track road to a length of 355 meters joining the lease area to all weather road black topped road The proponent has also stated that he will establish a stock yard on a private land and which belongs to proponent himself. 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 sketch prepared by the DMG wherein it has been stated that there are three leases including this lease within the 500 meter radius from this lease and as per the DMG statement in the combined sketch the other two leases are in the application stage and not yet been notified and the area of this lease 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.8.00 lakhs to take up works in connection with rejuvenation of Honnatagi pond which is a distance of 1.55 KM from the lease area.

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

1) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
2) The overall depth of mining shall not exceed 8.0 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.

230.37 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,1st 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)	Existing: 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	The total domestic wastewater

		disposal of treated water	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		Strom 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.

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

230.38 Proposed Building Stone Quarry Project at Sy.No.86(P) of Sadarahalli Village, Kadur Taluk, Chikkamagalur District(4-00 Acres) **by Sri. A.M Mallesh Gowda(SEIAA 594 MIN 2019)**

Sl.No.	PARTICULARS	INFORMATION

1	Name & Address of the Project Proponent	Shri. A. M. Mallesh Gowda Chandra Prasad Estate, Mathigatta, Kadur Taluk, Chikkamagaluru - 577548
2	Name & Location of the Project	Sadarahalli Building Stone Quarry QL.Area Applied, in 4-00 Acres (1.619 Ha), Survey No. 86(P), Patta Land, Sadarahalli Village, Kadur Taluk, Chikkamagaluru District
3	Co-ordinates of the Project Site	sheet No 57 C/2 Latitude: N 13°31'22.50" to N 13°31'29.50" Longitude: E 76°05'13.10" to E 76°05'16.30"
4	Type of Mineral	Building 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.	1.619 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	New project
13	Annual Production Proposed (Metric Tons/CUM)/Annum	60,000 tonnes/Annum
14	Quantity of Top Soil / Over burden in cubic meter	5,971 cum of top soil which will be utilized for bund along the lease boundary on which plantation wll be carried out.
15	Mineral Waste to be handled(Metric tonnes / CUM)/Annum	15,790 tonnes of intercalated waste which will be utilized for strengthening the Quarry and approach roads.

16	Project Cost (in Crores)		0.15 Crore	
17	Environmental Sensitivity			
	a.	Nearest Forest	Garudanagiri Reserve Forest - 11.74 kms.	
	b.	Nearest Human Habitation	Sadarahalli Village -1.38 kms	
	c.	Institutes, Hospital	Kadur -7.72kms	
	d.	Water Bodies	Sadarahalli Seasonal Water Tank-1.34 kms	
	e.	Others Specify -Wildlife Sanctuary	Yemmedoddi Tiger Reserve - 16.50 kms	
18	Applicability of General Condition of the EIA Notification, 2006.		--	
19	Details of Land Use in Acres			
	a.	Area for Mining /Quarrying	2.95 Acres (1.194 Ha)	
	b.	Waste Dumping Area	--	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	0.0939 Acres (0.038 Ha)	
	g.	Green Belt Area/Buffer Zone	0.741 Acres (0.3 Ha)	
	h.	Unexplored Area	0.000	
	i.	Others Specify- Virgin area	0.215 Acres(0.087 Ha)	
		Total	4.0 Acres (1.619 Ha)	
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	Existing Borewell	
	b.	Total Requirement of Water in KLD	Domestic	1.05 KLD
			Gardening	1.25 KLD
			Dust Suppression	1.50 KLD
			Total	3.80 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 230th meeting held on 13-9-2019 to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form I, Prefeasibility report,

Approved mining plan and clarification/additional information provided during the meeting. The committee noted that this is a proposal falling in the combined sketch prepared by DMG wherein three leases involved within the 500 meter radius and combined area of these three leases comes to 39 Acres. In case of one lease with an area of 25 Acres it has already been recommended for issue of ToR. The proponents of all these three leases are father and son as stated by the proponent. The proponent has also stated that he will approach the DMG to obtain the necessary orders for going for combined EMP and combined public hearing.

The committee decided to categorise this project under B1 and 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.

230.39 Proposed Building Stone Quarry Project at Sy.No.85(P) of Sadarahalli Village, Kadur Taluk, Chikkamagalur District (10-00 Acres) by Sri. A.M Mallesh Gowda (SEIAA 595 MIN 2019

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Shri. A. M. Mallesh Gowda Chandra Prasad Estate, Mathigatta, Kadur Taluk, Chikkamagaluru - 577548
2	Name & Location of the Project	Sadarahalli Building Stone Quarry QL.Area Applied, in 10-00 Acres (4.048 Ha), Survey No. 85(P), Patta Land, Sadarahalli Village, Kadur Taluk, Chikkamagaluru District
3	Co-ordinates of the Project Site	sheet No 57 C/2 Latitude: N 13°31'17.30" to N 13°31'22.50" Longitude: E 76°05'14.03" to E 76°05'25.90"
4	Type of Mineral	Building 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.	4.048 Ha
9	Actual Depth of sand in the lease area in	NA

	case of River Sand		
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		New project
13	Annual Production Proposed (Metric Tons/CUM)/Annum		3,00,000 tonnes/Annum
14	Quantity of Top Soil / Over burden in cubic meter		14,326 cum of top soil which will be utilized for bund along the lease boundary on which plantation will be carried out.
15	Mineral Waste to be handled(Metric tonnes / CUM)/Annum		78,945 tonnes of intercalated waste which will be utilized for strengthening the Quarry and approach roads.
16	Project Cost (in Crores)		0.25 Crore
17	Environmental Sensitivity		
	a.	Nearest Forest	Garudanagiri Reserve Forest – 11.51 kms.
	b.	Nearest Human Habitation	Sadarahalli Village -1.03 kms
	c.	Institutes, Hospital	Kadur -7.82kms
	d.	Water Bodies	Sadarahalli Seasonal Water Tank-1.01 kms
	e.	Others Specify- Wildlife Sanctuary	Yemmedoddi Tiger Reserve – 16.73 kms
18	Applicability of General Condition of the EIA Notification, 2006.		--
19	Details of Land Use in Acres		
	a.	Area for Mining /Quarrying	8.411 Acres (3.404 Ha)
	b.	Waste Dumping Area	--
	c.	Top Soil Storage Area	--
	d.	Mineral Storage Area	--
	e.	Infrastructure Area	--
	f.	Road Area	0.3385 Acres (0.137 Ha)
	g.	Green Belt Area/Buffer Zone	1.079 Acres (0.437 Ha)
	h.	Unexplored Area	0.000
	i.	Others Specify- Virgin area	0.0173 (0.007 Ha)
		Total	10.0 Acres (4.048 Ha)
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	Existing Borewell	
	b.	Total Requirement of Water in KLD	Domestic	4.02 KLD
			Gardening	1.50 KLD
			Dust Suppression	1.50 KLD
			Total	7.02 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 230th meeting held on 13-9-2019 to present the ToRs. The committee screened the proposal considering the information provided in the statutory application-Form I, Prefeasibility report, Approved mining plan and clarification/additional information provided during the meeting.

The committee decided to categorise this project under B1 and 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.

Deferred Subjects:

230.40 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. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Prestige Estates Projects Limited, The Falcon House, No: 1, Main Guard Cross Road, Bengaluru - 560 001.
2	Name & Location of the Project	Proposed Residential Development At Survey Nos. 123, 127 (P) & 128, Pattandur Agrahara Village, K R Puram Hobli, Bengaluru East Taluk,

<table>
<tr><td></td><td colspan="2"></td><td>Bengaluru.</td></tr>
<tr><td>3</td><td colspan="2">Co-ordinates of the Project Site</td><td>Latitude: 12° 58' 54.26" N
Longitude: 77° 44' 27.79" E</td></tr>
<tr><td>4</td><td colspan="3">Environmental Sensitivity</td></tr>
<tr><td></td><td>a.</td><td>Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)</td><td>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 PattandurAgrahara lake in South Western side of the project site for which buffer will be provided as per the BDA RMP 2015.</td></tr>
<tr><td></td><td>b.</td><td>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.</td><td>There is a PattandurAgrahara lake in South Western side of the project site for which buffer will be provided as per the BDA RMP 2015.</td></tr>
<tr><td>5</td><td colspan="3">Type of Development</td></tr>
<tr><td></td><td>a.</td><td>Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other</td><td>Residential Apartment</td></tr>
<tr><td></td><td>b.</td><td>Residential Township/ Area Development Projects</td><td>Area Development project</td></tr>
<tr><td>6</td><td colspan="2">Plot Area (Sqm)</td><td>68,571.4 Sqmt (16 Acres 37.6 Guntas)</td></tr>
<tr><td>7</td><td colspan="2">Built Up area (Sqm)</td><td>1,70,752.88 Sqmt</td></tr>
<tr><td>8</td><td colspan="2">Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]</td><td>
<table>
<tr><th>Sl. No.</th><th colspan="2">Building</th><th>Specification</th></tr>
<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>
<tr><td></td><td colspan="2">Block 3</td><td>B+G+24UF</td></tr>
<tr><td></td><td colspan="2">Block 4</td><td>B+G+24UF</td></tr>
<tr><td></td><td colspan="2">Block 5</td><td>B+G+24UF</td></tr>
</table>
</td></tr>
<tr><td>9</td><td colspan="2">Number of units in case of Construction Projects</td><td>The project comprises of 689 Nos. of residential units and a club house which is sprawled across in 5 Blocks.</td></tr>
<tr><td>10</td><td colspan="2">Number of Plots in case of Residential Township/ Area</td><td>NA</td></tr>
</table>

	Development Projects		
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 along with Coordinate of the site proposed for such disposal	NA
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-	0.74 MT/Day. Non-biodegradable Wastes will be	

		Biodegradable waste generation and mode of Disposal as per norms	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 ITPL Road: 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

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

230.41 Proposed Shahabad Stone Quarry Project at Sy.No.251/1 of Halkatta Village, Chittapur Taluk, Kalaburagi District (2-00 Acres) **By Sri Sunil (SEIAA 465 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri Sunil, S/o Yamanappa Vallapur, Srinagar, NGO Colony, Jewargi Road, Kalaburgi-585102 Karnataka

2	Name & Location of the Project	"Shahabad Stone (Cherty Lime Stone) Quarry" of Sri. Sunil S/o Yemanappa Vallapur Sy No: 251/1, Halkatta Village, Chittapur Taluk, Kalburagi District, Karnataka
3	Co-ordinates of the Project Site	<table><tr><th rowspan="2">Boundary Pillars</th><th colspan="3">Latitude (N)</th><th colspan="3">Longitude (E)</th></tr><tr><th>D</th><th>M</th><th>S</th><th>D</th><th>M</th><th>S</th></tr><tr><td>A</td><td>17</td><td>01</td><td>07.6</td><td>76</td><td>59</td><td>06.8</td></tr><tr><td>B</td><td>17</td><td>01</td><td>07.8</td><td>76</td><td>59</td><td>10.1</td></tr><tr><td>C</td><td>17</td><td>01</td><td>05.1</td><td>76</td><td>59</td><td>10.1</td></tr><tr><td>D</td><td>17</td><td>01</td><td>04.9</td><td>76</td><td>59</td><td>06.8</td></tr></table>
4	Type of Project	Shahabad Stone (Cherty Lime Stone)
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	0.809 Ha
9	Actual Depth of sand in the lease area in case of River sand	Its Shahabad Stone Quarry
10	Depth of Sand proposed to be removed in case of River sand	Its Shahabad Stone Quarry
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	23,900 Square meter per Annum
14	Quantity of Topsoil/Over burden in cubic meter	5,800 cu.m, of top soil will be generated in the plan period which will be used for plantation
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	15933Square meter per Annum (Aggregate)
16	Project Cost (Rs. In Crores)	0.79crores
17	Environmental Sensitivity	
	a. Nearest Forest	None within 5 kms
	b. Nearest Human Habitation	Halkatta -2 Km (NW)

	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Wadi -5.00 Kms (NW)	
	d.	Water Bodies	Bhima River -7.68 Km (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	1-18	
	b.	Waste Dumping Area	0-01	
	c.	Top Soil yard		
	d.	Mineral Storage Area	0-00	
	e.	Infrastructure Area	0-01	
	f.	Road Area	0-01	
	g.	Buffer Area	0-19	
	h.	Unexplored area	0-00	
	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	8.68KLD
			Domestic	1.5KLD
			Other	1.22 KLD
			Total	**11.4KLD**
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 227th meeting held on 25-7-2019 to provide clarification/additional information.

As seen from the revenue records there is a discrepancy between the extent of Sy.No.251 and 251/1 and also as per the condition of the land conversion order issued during the year 2011, the proponent is mandated to utilize the converted land within two years which expires during the year 2013 and no renewal of the land conversion for which the proponent has stated that he will come back with the proper clarification.

Hence the committee after discussion and deliberation decided to defer the proposal.

The proponent and Environment consultant attended the 230th meeting held on 13-9-2019 to provide required clarification. The proponent has appeared before the committee with the explanation that he has put the converted land to the intended purpose within two years as mandated in the land conversion order by virtue of the fact that he has started mining from 2011 itself over a mining area of 35 guntas. Now this lease is a fresh notification for an area of two acres including the area of 35 guntas in which the mining activity has already been carried out. To assess the quantity of mining the proponent has stated that as per the quarry pit measurement total quantity mined comes to 17,500 cum but however no audit report is forthcoming in this regard. As seen from the quarry plan the mining area is almost a flat area and taking this into consideration and also the fact that he has already mined 17,500 cum the committee opined that the proposed quantity of 10,000 cum or 2,00,000 sqmts can be mined safely and scientifically to a quarry pit depth of 10 meter.

As per the extended combined sketch prepared by DMG there are four other leases and total area of all the five leases including this lease is 6 Acres which 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 280 meter connecting the lease area to all weather black topped road.

As far as CER is concerned the proponent has stated that he will earmark Rs.5.00 lakhs to take up rain harvesting and sanitation works in the nearby Govt. schools and colleges.

The committee observed that the proponent has not submitted the audit report and hence the committee after discussion and deliberation decided to recall after submission of audit report.

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

Reconsideration Subjects:

230.42 Proposed Establishment of Manufacturing unit for Biologicals, Antibodies & its Derivatives and Integrated Biopharmaceutical Formulations unit for Antibodies, Derivatives, Proteins, Peptides & Biologicals Project at Plot number 531 & 532 A of KIADB Industrial Area in Belur Village, Dharwad Taluk & District **by M/s. Shilpa Medicare Limited(SEIAA 8 IND 2018)**

Sl. No	PARTICULARS	INFORMATION

1	Name & Address of the Project Proponent		Mr. Vinay Konaje Business Head- Biologicals, Shilpa Medicare Limited, NavDisha, STEP Building, BVBCET, Vidyanagar, Hubli 580031, Karnataka, India.
2	Name & Location of the Project		Shilpa Medicare Limited Plot 531, 532A KIADB Industrial Area in Belur Village, Dharwad – 580011.
3	Co-ordinates of the Project Site		Project site lays at Latitude 15°30'19.46" N Longitude 74° 54'17.27" E
4	Environmental Sensitivity		
	a.	Distance from Nearest Lake/ River/ Nala	Kelgere Lake 8.6 KM in South East direction
	b.	Distance from Protected area notified under wildlife protection act	-
	c.	Distance from the interstate boundary	-
	d.	whether located in critically / severally polluted area as per the CPCB norms	-
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		Sl. No. 5(f) of EIA notification 2006 and category 'B' project.
6	New/ Expansion/ Modification/ Product mix change		New
7	Plot Area (Sqm)		44200 SQM
8	Built Up area (Sqm)		13064.79 SQM
9	Component of developments		Manufacturing & formation units for Biologicals, Antibodies and Its Derivatives and other allied facilities.
10	Project cost (Rs. In crores)		For Phase -1 Project Rs. 152 Crores (One Hundred fifty-two crores only) i. Plant & Machinery – 60 Crores ii. Civil/HVAC/Clean room – 60 Crores iii. Utilities – 32 Crores. iv. Land value– a) Plot 531 - Rs 61.99 lakhs b) Plot 532A - Rs 403.51 Lakhs Phase 2 project cost is Rs. 150 Crores.
11	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	4460.34

	b.	Kharab Land	-
	c.	Internal Roads	-
	d.	Paved area	-
	e.	Parking	-
	f.	Green belt	29358.33 (green belt and future expansion)
	g.	Others Specify	-
	h.	Total	-
12	Products and By- Products with quantity (enclose as Annexure if necessary)		The total capacity of production from Phase-1 & Phase-2 are as under; **Manufacturing facility** 1. Phase 1 - 36 kg per month of formulated, filled product @ 4 batches/month 2. Phase 2 - 108 kg per month of formulated, filled product @12 batches/month **Formulation Unit** **1. Vials** Phase - 1: 3 million per annum Phase - 2:10 million per annum **2. Injectable Pens and Prefilled syringes** Phase - 1: 8 million per annum Phase - 2: 20 million per annum
13	Raw material with quantity and their source:		

1.1 Raw Material Requirement

Acids, bases are used in buffer preparation, are store in corrosives & acids safety cabinets in cool dry conditions until dispensing. Wet scrubber exhaust is connected to each such cabinets to ensure safety. List of raw materials uses in the process and quantity given in table 3.4 and raw material required for quality control analysis is given in table 3.5. raw material requirement for filtration and separation is given in table 3.6

Other chemicals used in the industry are Ethanol, Methanol, IPA in 500ml, 5L & 10 L plastic cans for sanitation purpose only. Usage per month may be around 30-50L. These chemicals will be stores in cold room. The cold room are equipped with redundant cooling unit and alarms for any breakdown. This ensures that at no point these items reach even the temperature of the material with lowest flashpoint. Hydrogen peroxide is used as fumigant for clean room fumigation.

Table 3.4 Raw material requirement

Fermentation Material Requirements / Batch		
Sr. No.	**Media/Chemical Name**	**Quantity required per batch Kg**
1	Aqueous cell culture basal media	16.848
2	Aqueous cell culture feed media A	9.140
3	Aqueous cell culture feed media B	7.603
4	Aqueous cell culture feed media C	46.939

5	Dexamethasone-10 mM for cell consumption	0.169
6	Di sodium hydrogen phosphate heptads hydrate	0.809
7	Glucose energy source	8.424
8	Glutamine-200m M energy source	4.114
9	Hydrochloric acid 5N for media pH control	56.160
10	Hygronycin for cell consumption	0.014
11	pH buffer – 10 pH	0.281
12	pH buffer- 4 pH	0.281
13	pH buffer – 7 pH	0.281
14	Sodium chloride buffer	4.493
15	Sodium hydroxide 5M – for media pH control	11.232
16	Manganese Sulphate trace for cell consumption	0.047
17	Potassium chloride buffer	0.112
18	Potassium di hydrogen Ortho-phosphate buffer	0.135
	Total	**167.081**

Table 3.5 Raw material requirement for quality control

Quantity Control Material Requirements /Batch		
S.No	**Consumables**	**Quantitity required per batch**
1	Acetic acid glacial in Ltrs	0.94
2	Arginine Hydrochloride extrapure CHR in Kg	4.14
3	Citric acid in Kg	7.13
4	Di-sodium hydrogen phosphate heptahydrate in Kg	4.22
5	Ethanol in Ltrs	0.19
6	Ethylene diamine tetra acetic acid disodium salt dihydrate AR in Kg	0.47
7	Isopropyl alcohol in Ltrs	2.34
8	Ortho Phosphoric acid in Ltrs	0.19
9	Polysorbate 80 in Ltrs	0.05
10	4% Sodium hypochlorite Solution in Ltrs	9.19
11	Sodium acetate Trihydrate in Kg	0.19
12	Sodium chloride in Kg	27.19
13	Sodiumcitrate Tribasic Dihydrate in Kg	23.44
14	Sodium hydroxide in Kg	21.38
15	Sodium phosphate, monobasic anhydrous in Kg	1.88
16	Sucrose extrapure AR in Kg	0.66
	TOTAL	**103.6**

Table 3.6 Filtration and Separation material requirement

Filtration And Separation Material Requirements / Batch		
Sl. No	**Consumables**	**Quantitity required per month**
1	Acetic acid glacial in Ltrs	6.42

	2	Arginine Hydrochloride extrapure CHR in kg	28.38	
	3	Citric acid in kg	48.70	
	4	Di-sodium hydrogen phosphate heptahydrate in kg	28.89	
	5	Ethanol in Ltrs	12.84	
	6	Ethylene diamine tetra acetic acid disodium salt dihydrate Ar in kg	3.21	
	7	Isopropyl alcohol in Ltrs	16.05	
	8	Ortho Phosphoric acid in Ltrs	1.28	
	9	Polysorbate 80 in Ltrs	0.33	
	10	4% Sodium hypochlorite Solution in Ltrs	62.92	
	11	Sodium acetate Trihydrate in kg	1.28	
	12	Sodium chloride in kg	186.18	
	13	Sodiumcitrate Tribasic Dihydrate in kg	160.50	
	14	Sodium hydroxide in kg	146.38	
	15	Sodium phosphate, monobasic anhydrous in kg	12.84	
	16	Sucrose extrapure AR in kg	4.49	
		TOTAL	**720.69**	

14	Mode of transportation of Raw material and storage facility	Mode of transportation of Raw material is by road ways and Dedicated storage facilities for Raw materials (ware housing) & finished products (cold storage area) will be provided. These chemicals will be stores in cold room as and when requires will dispense the material using PPE's. Acids, bases are kept in Corrosives & Acids safety cabinets in cool dry conditions until dispensing.
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	-
16	Fly ash production, storage and disposal details whereas coal is used as fuel	-
17	Complete process flow diagram and technology employed	Detailed in Prefeasibility Report, chapter 3, section 3.5
18	Details of Plant and Machinery with capacity/ Technology used	Detailed in Prefeasibility Report, chapter 3, section 3.5
19	Details of VOC emission and control measures wherever applicable	Detailed in Prefeasibility Report, section 3.11
20	WATER	
	I. Construction Phase	
	a. Source of water	Borewell/ KIADB supply

b.	Quantity of water for Construction in KLD	20 KL/day		
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	Borewell/ KIADB supply		
b.	Total Requirement of Water in KLD	Fresh	**101.88 KLD**	
		Recycled		
		Total	**101.88 KLD**	
c.	Requirement of water for industrial purpose / production in KLD	Fresh	**25.88 KLD(process)+ 32 KLD(utilities)**	
		Recycled		
		Total	**25.88 KLD(process)+ 32 KLD(utilities)**	
d.	Requirement of water for domestic purpose in KLD	Fresh	**30 KLD**	
		Recycled		
		Total		
e.	Waste water generation in KLD	Industrial effluent	**24 KLD**	
		Domestic sewage	**30 KLD**	
		Total	**54 KLD**	
f.	ETP/ STP capacity	STP capacity - 35 KLD ETP capacity 50 KLD phase-1 For Phase -2 capacity increases from 50 KLD to 150 KLD.		
g.	Technology employed for Treatment	M/s. Shilpa Medicare Ltd is proposing to setup a MEE based treatment system for the approximately 186621.5 Lt per batch or 25 KLD (Total capacity of ETP i.e. MEE unit - 50 KLD) of treated process effluent discharge. Detailed in PFR chapter 3, section 3.8		
h.	Scheme of disposal of excess treated water if any	The regenerated condensate water will be used for green belt development and excess water to recharge the ground water around the borewell. Concentrated salt cake that may be obtained will be sent for incineration/landfill. SML will use the same facility for treatment of any effluent from its formulation unit since the nature of effluents are the same and the capacity of the plant will suffice for both units. Detailed in PFR chapter 3, section 3.8		

21	Infrastructure for Rain water harvesting		-	
22	Storm water management plan			
23	Air Pollution			
	a.	Sources of Air pollution	Detailed in chapter 3, section 3.11 of PFR report.	
	b.	Composition of Emissions	Detailed in chapter 3, section 3.11 of PFR report.	
	c.	Air pollution control measures proposed and technology employed	Detailed in chapter 3, section 3.11 of PFR report.	
24	Noise Pollution			
	a.	Sources of Noise pollution	Detailed in chapter 3, section 3.12 of PFR report.	
	b.	Expected levels of Noise pollution in dB	Within the limits prescribed for industrial area.	
	c.	Noise pollution control measures proposed	Detailed in chapter 3, section 3.11 of PFR report.	
25	WASTE MANAGEMENT			
	I.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable	Detailed in chapter 6, section 6.8 of PFR report
			Non- Biodegradable	
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	There is no hazardous waste generation from the process.	
	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	Total power requirement to the proposed project is 2000 KW for Phase 1, Sourced from Karnataka State Electric Board/HESCOM. For Phase 2 - power requirement will be 3000 KW.	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Three backup gensets of 750 KVA capacity is proposed in Phase 1. For Phase 2, power requirement will be 3000 KW to this two DG sets of 1500 KVA capacity will provide.	
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH,	Detailed in chapter 3, section 3.11 of PFR report.	

		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)	Detailed in Plant layout plan
29		Any other information specific to the project (Specify)	-

The proponent and Environmental Consultant attended the 196th meeting held on 16th & 17th April 2018 to provide required information/clarifications.

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

1) Obtain clearance from the Institutional Bio-hazardous committee before taking up appraisal.
2) Obtain clearance from DBT(Dept. of Bio-technology), GoI for using GMO(Genetically modified organism) before taking up appraisal.
3) Obtain clearance from DCGI (Drug Control General of India), GoI for all the products before taking up appraisal.
4) Scheme for safe disposal of Bio Hazardous waste tobe detailed including scheme B in case of malfunctioning of inhouse facility.
5) Scheme for odour management.
6) A certificate from KIADB stating that this type of industry is permitted in their layout.
7) Comparative study of single use verses multi use/reuse of raw material in their manufacturing process with the focus on fermentation.
8) Estimate the total carbon footprint and list out the measures to reduce/offset the carbon foot print may be detailed.
9) Scheme to develop atleast 15 meter wide green belt with indigenous broad leaved tree species all round the project area.

Accordingly the ToRs were issued vide letter dated: 17-05-2018.

The proponent has submitted the EIA report vide letter dated: 28-6-2019.

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

The Proponent and the Environmental consultant attended 228th meeting held on 6-8-2019 to provide clarification/additional information.

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

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

1) Scheme to reduce the storage capacity for methanol from 20 KLD to 5 KLD.
2) Furnish the list of proposed antibodies , biologicals and its derivatives.
3) Land use land cover map of the study area using latest high resolution satellite imagery to be submitted.
4) Enhancement of storage capacity of surface water may be relooked into keeping in view all the surface drain water to be stored and reutilized.
5) Scheme to utilize cotton waste and sugarcane trash as biomass briquette instead of groundnut waste as stated by the proponent.
6) Feasibility of solar thermal collectors for generation of heat and steam to be submitted.

The proponent has submitted the replies on 11-9-2019. 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.

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

230.43 Proposed Establishment of "New Aroma and Speciality Chemical Manufacturing Facility" at Industrial Plot No.42B, Mangalore Special Economic Zone Limited(MSEZL) Bajpe Village, Mangalore Taluk, Dakshina Kannada District **by M/s. Anthea Aromatic Pvt Ltd(SEIAA 2 IND 2017)**

Name of Applicant: - M/s. Anthea Aromatics Pvt Ltd,
Environmental Consultant:M/s. Hubert Enviro Care Systems Pvt. Ltd., (NABET accredited organization)

M/s. Anthea Aromatics Pvt Ltd, have applied for Environmental clearance from SEIAA for their proposed Aroma and Speciality Chemical Manufacturing facility at Industrial Plot No. 42B, Mangalore SEZ Limited, Bajape, Karnataka under 5(f) of schedule EIA Notification – 2006 under category B.

Total Land area: 40,468.56 Sq. meters (10 Acres)
Total Built up: 39,665 Sq. meters
Production Quantity: Product -Speciality Chemicals – 6450 TPA
By products-Tops and High Boilers – 1800 TPA
Total -8250 TPA

Water requirement: Total water requirement is 1108 KLD and fresh water requirement will be 273 KLD and it will be sourced from MSEZL.
Power requirement: Power requirement is 7200 KW and it will be sourced from MESCOM
Waste water Generation: 35 KLD capacity of STP is proposed for treating domestic sewage and 256 KLD capacity of ETP is proposed for treating industrial effluents.

The list of products that will be manufactured by the unit along with their production quantities are given below:

Sl. No.	Products	Quantity (TPA)
1.	Anethole [CAS Number: 4180-23-8]	1600
2	Tonalid [CAS Number: 21145-77-7]	1200
3	P-Hydroxy Benzaldehyde [CAS Number:123-08-0]	1000
4	Peonile [CAS Number: 10461-98-0]	800
5	Mesityl Oxide [CAS Number: 141-79-7]	600
6	Undecavertrole [CAS Number: 81782-77-6]	300
7	Cyclamenaldehyde [CAS Number: 103-95-7]	300
8	Raspberry Ketone [CAS Number: 5471-51-2]	240
9	Boisamber [CAS Number: 58567-11-6]	150
10	Karanal [CAS Number: 117933-89-8]	60
11	Kephalis [CAS Number: 36306-87-3]	50
12	Herbanate [CAS Number: 116126-82-0]	50
13	Ethyl Safranate [CAS Number: 35044-59-8]	50
14	Sylvial [CAS Number: 6658-48-6]	50
15	Tops and High Boilers (By-Product) Top and Higher Boiling fractions of the above products which can be used in low cost perfumery applications, as solvents or as fuel.	1800
	Total	8,250

The Proponent and NABET accredited consultant attended the meeting of SEAC to present the ToRs.

The committee appraised the proposal considering the information provided in the statutory application-Form I, pre-feasibility report, and proposed ToRs and clarification/additional information provided during the meeting. The committee after discussion decided to recommend the proposal to SEIAA to issue standard ToRs along with the following additional ToRs for conducting the EIA studies in accordance with the EIA Notification 2006 and relevant guidelines.

1. Material balance, energy balance and water balance to be given.
2. Ocean dynamic study to be conducted and submitted
3. Raw material to product and product to waste generation ratio for each product to be given
4. Details of the adjacent industries and impact on the same due to activities of this industry
5. Existing greenbelt details and proposed with design to be provided
6. Steam requirement, water requirement and energy requirement with process details

7. MOU for Hazardous material disposal
8. HAZOP study to be done and submitted
9. Adequacy of the storage and safety measures proposed in the solvent storage area particularly pertaining to ventilation concerns and hydrogenation process to be explained in EIA
10. Advantages and disadvantages of using palladium/carbon in the hydrogenation process instead of proposed ranney nickel duly considering the safety norms be explained
11. Solvent storage and maximum recovery of solvents to be explained with process
12. Green chemistry proposed in the process to be highlighted
13. List of proposed banned chemicals if any and alternative chemicals to replace the same to be provided

Accordingly ToRs were issued on 7-3-2017.

The proponent has submitted the EIA report on 30-10-2018 received on 17-11-2018.

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

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Prefeasibility report, EIA report and clarification/additional information provided during the meeting. The committee noted that as the standard ToRs issued by MoEF for SEZ mandates to be maintained 33% of the allotted area as a green area in the individual units. When this was brought to the notice of the proponent he agreed to modify the layout plan accordingly and come before the committee for appraisal.

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

The proponent has submitted the replies on 24-1-2019 and placed before the committee for appraisal

The proponent and Environment consultant attend the 220th meeting held on 9-4-2019 to provide required information.

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

1) The proponent has to submit discharge characteristics of effluent being proposed to be let out to CETP.
2) Explore the possibility of achieving ZLD which is mandatory as per recent trends.
3) Enlist the microbes used in biological treatment.

4) Air emissions to be quantified with and without mitigations.
5) Efficiency of the solvent recovery has to be reworked to achieve minimum 95% recovery.
6) Explore the possibilities of developing allround green belt 10 to 15 meters wide wherever it is possible with local species.
7) List out flora within 10 KM radius specially RET species viz., mangroves found in two patches along with biodiversity action plan with budget backup in a time bound.
8) List out fauna found within 10 KM radius specially in Pilikula Nisagaradhama and adjacent Arabian sea and if there are schedule-I fauna submit wildlife action plan in consultation with wildlife authorities alongwith budget backup in time bound.
9) Scheme to utilize the entire terrace area for solar power harnessing may be worked out and submitted.
10) Possibility of providing the amount earmarked for CER to Pilikula Nisargadhama and nearby Mangroves conservation.

The proponent has submitted the replies vide letter dated:25-7-2019. 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:

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

230.44 Proposed Bulk Drugs and Drug Intermediates manufacturing by replacing existing herbal extract products Project at Plot Nos.282, 283 & 284 of Kolhar Industrial Area, Nizampur Village, Bidar Taluk & District **By M/s. Sreevari Natural & Dairy Products (SEIAA 48 IND 2018)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	SREEVARI NATURAL & DAIRY PRODUCTS M. Chaitanya Partner Reg. Address: 8-3-658/7, Jayaprakash Nagar, Yallareddyguda, Khairatabad, Hyderabad, Telangana - 500 073
2	Name & Location of the Project	Sreevari Natural & Dairy Products Plot Nos.: 282, 283 & 284, KIADB Road No.: 14, Kolhar Industrial Area, Bidar, Karnataka State - 585 403
3	Co-ordinates of the Project Site	Latitude: 17° 54' 4.60" N Longitude: 77° 26' 59.83" E
4	Environmental Sensitivity	

Sl. No	PARTICULARS		INFORMATION
	a.	Distance From nearest Lake/ River/ Nala	Water body/Lake near Bellura village – 1.81 Km (SE) Andur Lake – 4.22 Km (WNW) Water body/Pond near Bellura village – 1.91 Km (SE) Water body/Pond near Andur vadi village – 6.68 Km (WNW) Lake near Naubad village – 5.45 Km (NE) Lake near Mahamdapur village – 9.37 Km (North)
	b.	Distance from Protected area notified under wildlife protection act	None within 10 km radius
	c.	Distance from the interstate boundary	None within 10 km radius
	d.	whether located in critically / severally polluted area as per the CPCB norms	None within 10 km radius
5	Type of Development as per schedule of EIA Notification, 2006 with relevant serial number		5 (f)
6	New/ Expansion/ Modification/ Product mix change		Manufacturing of Bulk drugs & Drug Intermediates by replacing existing herbal extract products
7	Plot Area (Sq. m)		8449.00
8	Built Up area (Sq. m)		2293.10
9	Component of developments		Construction of MEE, ETP, Coal yard, Cooling Tower, additional Green belt development and others
10	Project cost (Rs. in Crores)		4.00 Crores for proposed project
11	Details of Land Use		
	a.	Ground Coverage Area	2293.10 Sq. m
	b.	Kharab Land	---
	c.	Internal Roads	1911.58 Sq. m
	d.	Paved area	--
	e.	Parking	--
	f.	Green belt	3181.04 Sq. m
	g.	Open area	1063.28 Sq. m
	h.	Total	8449.00 Sq. m
12	Products and By- Products with quantity (enclose as Annexure if necessary)		List of Products and By- Products (Annexure - I)
13	Raw material with quantity and their source (enclose as Annexure if necessary)		List of the raw materials product wise (Annexure-II)

Sl. No	PARTICULARS		INFORMATION	
14	Mode of transportation of Raw material and storage facility		The chemicals required for the process are bought from the local (indigenous) markets. Mode of transportation of all raw materials to the project site is by road.	
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant		Not Applicable	
16	Fly ash production, storage and disposal details whereas coal is used as fuel		Proposed Project generating ~ 4.2 TPD of Fly ash from 3.0 TPH Coal Fired Boiler and the same will be sent to Brick Manufacturers.	
17	Complete process flow diagram and technology employed		Process Flow diagram (Annexure-III)	
18	Details of Plant and Machinery with capacity/ Technology used		Details of Equipment/ Machinery of existing and proposed are given in Annexure - IV.	
19	Details of VOC emission and control measures wherever applicable		All tanks/ vents being used for storage flammable chemicals will be connected to .respective condensers to avoid VOCs in the plant area. All necessary measures will be adapted to control VOC emissions.	
20	WATER			
	I.	Construction Phase:		
	a.	Source of water	KIADB Supply	
	b.	Quantity of water for Construction in KLD	Approximately 2.0 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	Approximately 1 KLD for Construction labour	
	d.	Waste water generation in KLD	Approximately 0.5 KLD of Domestic Effluents will be generated	
	e.	Treatment facility proposed and scheme of disposal of treated water	Generated domestic effluent will be sent to septic tank followed by Soak Pit.	
	II	Operational Phase		
	a.	Source of water	KIADB Supply	
	b.	Total Requirement of Water in KLD	Fresh	59.53
			Recycled	24.77
			Total	84.30
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	57.03
			Recycled	24.77
			Total	81.80
	d.	Requirement of water for domestic purpose in KLD	Fresh	2.50
			Recycled	--
			Total	2.50

Sl. No	PARTICULARS		INFORMATION	
	e.	Waste water generation in KLD	Industrial effluent	28.87
			Domestic sewage	2.00
			Total	30.87
	f.	ETP/ STP capacity	MEE System Capacity: 30 KLD ETP/ RO System Capacity: 40 KLD	
	g.	Technology employed for Treatment	ZLD System	
	h.	Scheme of disposal of excess treated water if any	Treated water will be reused in Cooling Towers & Boiler.	
21	Infrastructure for Rain water harvesting		The rain water from the Roof top will be collected through PVC pipes and transferred to the proposed rain water harvesting pits to recharge the groundwater.	
22	Storm water management plan		Separate drains will be provided ensuring to collect the storm water without contamination and storm water will be routed to Rain water harvesting tank followed by Pit. Details will be provided in EIA Report	
23	Air Pollution			
	a.	Sources of Air pollution	Process Emissions, Emissions from Boilers & DG Set, Fugitive Emissions.	
	b.	Composition of Emissions	Boiler Emissions: Particulate Matter, SO_2 & NO_x Process Emissions: CO_2, H_2, O_2, NH_3, SO_2, N_2 & HCl are liberated from the process	
	c.	Air pollution control measures proposed and technology employed	Utilities Emissions Boilers: Cyclone separators and bag filters with suitable stack height of 30m will be installed for controlling the Particulate emissions. Process Emissions HCl and NH_3 emissions from the reactor will be connected to multi stage scrubbers with suitable scrubbing liquid to scrub the gases effectively with water / caustic lye/ dilute HCl based on the nature of the gas. H_2 will be diffused by using Nitrogen through flame arrestor. CO_2, O_2 and N_2 will be dispersed into the atmosphere. Scrubbing liquid will be sent to ZLD system. Fugitive Emissions Solvents are handled in closed conditions and closed operations thereby reducing the losses in the form of evaporation. The industry will take measures for reduction of fugitive emissions by providing Chilled	

Sl. No	PARTICULARS		INFORMATION	
			brine / water / cooling water circulation to condensate the solvent vapor from the reactor, receiver and Tank vents which ensures the maximum recovery. Good ventilation will be provided to reduce the workroom concentrations.	
24	Noise Pollution			
	a.	Sources of Noise pollution	The main sources of noise pollution are Boiler, Reactors, DG Set, Air compressors, and other Noise generating units. Vehicular movements during operation phase for loading / unloading of raw materials and finished products and transporting activity may also increase noise level.	
	b.	Expected levels of Noise pollution in dB	The noise levels within the plant premises will be maintained less than 75 – 70 dB [A] [during day time and night time]. Details will be provided in EIA Report.	
	c.	Noise pollution control measures proposed	DG sets will be installed with inbuilt acoustic enclosures. DG sets will be functioning only at the time of power failure. Workers in this area will always be provided with ear muffs or ear plugs. Extensive oiling, lubrication and preventive maintenance will be carried out for the machineries and equipments to reduce noise generation. Green Belt Development.	
25	WASTE MANAGEMENT			
	1.	Operational Phase		
	a.	Quantity of Solid waste generated per day and their disposal	Biodegradable	0.1 TPD (Domestic waste)
			Non- Biodegradable	4.2 TPD (Ash from boiler)
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Hazardous & Solid waste Details (Annexure-V)	
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	Quantity : 0.5 TPA Source: Electronic and Electrical Items used in industry. Mode of disposal: Sent to KSPCB Authorized agencies.	
26	Risk Assessment and disaster management		Details will be provided in EIA Report.	
27	POWER			
	a.	Total Power Requirement	500 KVA	

Sl. No	PARTICULARS		INFORMATION
		in the Operational Phase with source	Source: Karnataka Power Corporation Limited (KPCL).
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Existing: 1 No. Capacity: 62.5 KVA Proposed: 2 Nos. Capacity: 250 KVA & 320 KVA Total: 3 Nos. 1 x 62.5 KVA, 1 x 250 KVA & 1 x 320 KVA
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	Coal: 12 TPD for Coal fired boiler Diesel: 141 LPH for D. G. Sets Diesel: 25 LPH for TFH
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Proposed to provide solar lights in all internal roads.
28	PARKING		
	a.	Parking Requirement as per norms	--
	b.	Internal Road width (RoW)	4 & 6 meters
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 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 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. Evaluate the hydrogenation process (if adopted) and give a detailed description of the safety measures and precautions taken.
15. 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.
16. Explore the possibility of replacing Raney nickel catalyst with Pt/C Catalyst.

Accordingly the ToRs were issued vide letter dated 21-2-2019.

The proponent has submitted the EIA report vide letter dated: 25-6-2019.

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

The Proponent and the Environmental consultant attended the 228th meeting held on 6-8-2019 to provide clarification/additional information.

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

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

1) Feasibility of solar thermal collectors for generation of heat and steam to be submitted.
2) Risk modeling scenarios for different solvents to be reworked including blast, flaring and vapour cloud to be submitted.
3) Undertaking for using briquettes fuel instead of coal may be submitted as committed by the proponent.
4) Fly ash handling and storage details to be worked out and submitted.
5) Scheme to dispose of hazardous waste within the stipulated period may be detailed and submitted.
6) The liberation of oxygen in chemical reactions to be checked and corrected.
7) Pollution load table to be reworked and submitted.
8) Solvent storage tanks layout to be reworked and submitted.
9) The layout plan with additional glass lined reactors as per GMP to be worked out and submitted.
10) Hydrogen sensors location to be marked and submitted as per guidelines.

The proponent has submitted the replies vide letter dated:26-8-2019. 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.

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

230.45 Proposed Building Stone Quarry Project at Sy.No.185 of Makarahalli Village, Malur Taluk & Kolar District (5-00 Acres) **By Sri Kakappa (SEIAA 480 MIN 2019)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Kakappa Makarahalli Village Nellahalli Post, Tekal Hobli, Malur Taluk Kolar District
2	Name & Location of the Project	"Building Stone Quarry" of Sri. Kakappa Sy No: 185, Makarahalli Village, Malur Taluk, Kolar District, Karnataka.

3	Co-ordinates of the Project Site	**Boundary Points**	**WGS 84 Spherical Coordinates**
			Latitude / **Longitude**
		A	12°58'34.3932"N / 78° 6'04.2930"E
		B	12°58'37.0076"N / 78° 5'56.8053"E
		C	12°58'35.4539"N / 78° 5'54.9677"E
		D	12°58'31.6359"N / 78° 6'03.0663"E
		Ref. 1	12°58'54.8100"N / 78° 6'08.4300"E
		Ref. 2	12°58'30.7170"N / 78° 6'23.8239"E
4	Type of Project	**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	2.02 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	330975 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	6,754TPA	
16	Project Cost (Rs. In Crores)	0.83crores	
17	Environmental Sensitivity		
	a. Nearest Forest	TyakalState Forest -2.00 (N)	
	b. Nearest Human Habitation	Thimmanaikanahalli Village -1.45Kms(NE)	
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Malur -17.4 Kms (W)	

	d.	Water Bodies	MakarahalliPond-1.15kms(E) NelahalliPond-1.50kms(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	4-00	
	b.	Waste Dumping Area	0-04	
	c.	Top Soil yard	---	
	d.	Mineral Storage Area	0-06	
	e.	Infrastructure Area	0-02	
	f.	Road Area	0-02	
	g.	Green Belt Area	0-26	
	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	9.5KLD
			Domestic	0.65KLD
			Other	1.05KLD
			Total	11.2 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 229th meeting held on 27-8-2019 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 government land. The proponent has stated that he has obtained NOCs from Forest and Revenue Departments.

As per the combined sketch prepared by the DMG there are three other leases and all the three leases are exempted from cluster effect in view of the fact that those leases were granted prior to 9-9-2013. Hence this is the only lease which is to be

accounted in the cluster and the area of this being less than the threshold limit of 5 Ha., committee decided to categorise under B2 and proceeded with the appraisal accordingly. The proponent has stated that the lease area is situated at a distance of more than 200 meters from the public road.

As per the quarry plan approved by DMG there is a level difference of 14 meters and taking this into consideration the committee opined that 85% of the proposed quantity of 6,21,000 cum or 16,54,873 tons can be mined safely and scientifically for a plan period of five years to a quarry pit depth of 20 meters. He has also stated that his project does not fall within the 10 KM radius from the boundary of any Wildlife sanctuary/National Park.

The proponent has stated that there is a existing cart track road to a length of 270 meters connecting the lease area to all weather black topped road.

As far as CER is concerned, the proponent has earmarked Rs.20.00 lakhs towards rejuvenation of Makarahalli pond which is at a distance of 1.15 KM from the lease area.

However, the committee observed that a quarry lease appraised by the committee in the same area recently is not reflected in the cluster map prepared by the DMG. Hence the committee felt that a revised cluster map showing the said quarry lease shall be submitted by the proponent.

Hence the committee decided to reconsider the proposal after submitting the revised cluster map prepared by DMG.

The proponent has submitted the combined sketch prepared by the DMG wherein it is stated that there are three other leases whose leases were granted prior to 9-9-2013 and by virtue of this fact the proponent claimed exemption from the cluster effect.

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.

The meeting concluded with thanks to the Chair.

Chairman, SEAC
Karnataka.