

Proceedings for 194th Meeting of SEAC held on 13th, 14th and 15th March 2018

Members present in the meeting:

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

MS SEIAA
21/3/2018

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

Confirmation of the proceedings of 193rd SEAC meeting held on 17th February 2018.

The State Expert Appraisal Committee, Karnataka perused the proceedings of 193rd SEAC meeting held on 17th February 2018 and confirmed the same.

Deferred Subjects:

- 194.1 Proposed construction of Residential & Commercial Building Project at Sy.No.129 of Kavudenahalli, Bangalore East Taluk, Bangalore District By M/s. K.R. Constructions (SEIAA 152 CON 2017)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. T C Krishna Reddy Managing Partner M/s. K R Construction #403, K R Heights, 1 st Cross, NRI Layout Kalkere Bangalore-560016
2	Name & Location of the Project	"Residential and Commercial Building" Located at Sy no.129, Kavudenahalli Village, KR Puram Hobli, Bangalore East taluk, Bangalore Urban, Bangalore District.
3	Co-ordinates of the Project Site	Latitude: 13° 01' 10.64" N Longitude: 77° 40' 20.43" E

4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.)	Tertiary Nala - 25 meter in NW Direction 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.	Tertiary Nala - 25 meter in NW Direction from the project site.
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Development of Residential and Commercial Building
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	8,194.82 Sqmt (2-01 Acres)
7	Built Up area (Sqmt)	24,553.05 Sqmt
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Residential building : BF+GF+4UF Commercial Building: GF+4UF
9	Number of units in case of Construction Projects	Total number of units is 138
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	45 Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	
a.	Ground Coverage Area	3,590.58 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	2,393.72 Sqmt
d.	Internal Roads	
e.	Paved area	1,269.39 Sqmt
f.	Others Specify	941.13Sq.m for Road widening
g.	Parks and Open space in case of Residential Township/ Area Development Projects	Not Applicable
h.	Total	8,194.82 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)	12,000 Cum	
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	12,000 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 & During operation BWSSB	
b.	Quantity of water for Construction in KLD	15 KLD	
c.	Quantity of water for Domestic Purpose in KLD	4 KLD	
d.	Waste water generation in KLD	3.5 KLD	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	71 KLD
		Recycled	35 KLD
		Total	106 KLD
b.	Source of water	Bore well	
c.	Waste water generation in KLD	90 KLD	
d.	STP capacity	100 KLD	
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
f.	Scheme of disposal of excess treated water if any	Will be used for public park maintenance and for construction purpose of other building	
16	Infrastructure for Rain water harvesting		
a.	Capacity of sump tank to store Roof run off	60 cum	
b.	No's of Ground water recharge pits	9 no's	
17	Storm water management plan	<ul style="list-style-type: none"> Land is gently sloping terrain and sloping towards NW direction. Separate and independent rainwater drainage system 	

		<p>will be provided for collecting rainwater from terrace and paved area, lawn & roads.</p> <ul style="list-style-type: none"> • Rainwater collection tank of capacity 60cum is proposed which will be provided to collect the roof run off, which will be reused after prior treatment.. • 9 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 - 23 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 - 210 Kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 5 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 - 139 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 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 - 1050 kW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	2X 500KVA
c.	Details of Fuel used for DG Set	
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as Solar energy, CFL and LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 21%
20	PARKING	
a.	Parking Requirement as per norms	Required = 210 no's, Provided = 210 no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Level of Service - C
c.	Internal Road width (RoW)	Approach road width - 15m

Internal road width is- 5 m

The proponent was invited for the 191st meeting held on 16th and 17th January 2018 to provide required clarification. The proponent remained absent.

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

The proponent was invited to provide required information/clarification.

The proponent and environment consultant Mr. Mahadevaswamy .P(obtained stay from Hon'ble High Court) attended the meeting to provide required information/clarification.

The committee while appraising the proposal observed that as per the village survey map there is no water body either in the form of nala or lake within the project site. However, since the project site is situated at the boundary of another village, adjoining village survey map was also perused and it is observed that one tertiary nala originates in the adjacent survey number and flows away from the project site. Hence no water bodies requiring buffer zones is situated. It is also observed that regarding traffic study though the LoS is shown as B, the proponent has not submitted the detailed traffic study.

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

- 1) The Proponent shall submit detailed traffic study report.
- 2) The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
- 3) 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
- 4) 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.

194.2 Proposed construction of Commercial Development Project with Municipal No.9/1, Ward No.90, Sagayapura, PID No.90-42-9/1, Hennur Road, Lingarajapuram Village, Bangalore North Taluk, Bangalore Urban District by M/s Cornerstone Properties Pvt Ltd.(SEIAA 18 CON 2018)

1.	Name & Address of the project	Proposed construction of Commercial Development Project with Municipal No.9/1, Ward
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		No.90, Sagayapura, PID No.90-42-9/1, Hennur Road, Lingarajapuram Village, Bangalore North Taluk, Bangalore Urban District by M/s Cornerstone Properties Pvt Ltd.			
2.	Name of the consultant/consultancy		Sri. S. Nandakumar (Obtained stay from Hon'ble High Court)		
3.	Plot Area		8,538 Sqm		
4.	Total Built-up area		36,781 Sqm		
5.	Building Configuration and Number of Units		One building 2B+GF+9UF Commercial Building		
6.	Height of the building		40.95 Mts		
7.	Land use details	Ground coverage area	2457.82 sqm		
		Landscape	2,705.51 sqm		
8.	Car Parking		492 Nos.		
9.	Source of Power				
	Power requirement	Construction Phase	BESCOM-63 kva/63Kva DG set		
		Operational Phase	BESCOM-2,337 kva		
10.	Backup DG sets		3x1750 kva DG sets		
11.	Energy savings		38.37%		
12.	Source of water	Construction Phase	Package Sewage Treatment plant		
		Operational Phase	BWSSB		
14.	Total water requirement	Construction Phase	18 KLD		
		Operational Phase	116 KLD		
16.	Wastewater generation in KLD		105 KLD		
17.	STP capacity in KLD & technology		120 KLD		
18.	Rain water harvesting implementation, Recharge pits, Storage capacity		Recharge pits of 1.2 mtr dia x 2.50 mtr depth at 20 mtr centre to centre & Sump of 35 cum		
19.	Traffic : nearest road - LOS - Existing & modification				
	Towards	Existing traffic (LOS)	Projected for next three years after adding generated traffic (LOS)	Projected for next five years after adding generated traffic (LOS)	
	Hennur	A	A	B	
	Frazer town	A	A	A	
20.	Solid waste disposal details		206 kg/day biodegradable waste will be processed in organic waste converter & 309 kg/day non biodegradable waste to be given to the waste recyclers.		
21.	Cost of the Project		Rs. 127 Crores		

The proponent was invited for the 192nd SEAC meeting held on 30th and 31st January 2018 to provide required clarification. The proponent remained absent.

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

The proponent was invited to provide required information/clarification.

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

The committee while appraising the proposal observed that the total earth generated in this proposal is 61,000 cum. After utilizing the 34,000 cum within the area, 27,000 cum will be an excess quantity. For this the proponent has stated that he has entered into an MOU with the adjacent property owner for disposing of this excess earth in the adjacent property and produced the same. The land in which the proposal is proposed and also the adjacent land in which excess earth is being dumped is a church property.

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

- 1) The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
- 2) 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
- 3) The proponent shall 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.
- 4) The proponent has to ensure the quality of the compost as per the standards specified as notified in FCO 1985 (fertilizer control order), GOI.

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

EIA Appraisal:

194.3 Construction of MSW Treatment facility at Sy No 39,Rayanakere, Mysuru of Mysuru City Corporation, New Sayyaji Rao Road, Mysuru (SEIAA 21 IND 2016)

Name of Applicant: - Commissioner, Mysuru City Corporation

Name of the Consultancy Firm: - M/s SMS Envocare Limited, NABET Accredited
Hadapsar, Pune.

Name of the Project: Construction of MSW treatment facility.

Name of the Company: Mysuru City Corporation.

Name of the Applicant: Commissioner, Mysuru City Corporation

Commissioner, Mysuru City Corporation, has applied for Environmental Clearance from SEIAA for their Proposed Construction of MSW Treatment facility at Sy No 39, Rayanakere, Mysuru, Karnataka. The total Plot area is 6.5 Acre.

This is a project falling under the category 7(i) Common Municipal Solid Waste Management Facility (CMSWMF) of the Schedule of EIA Notification 2006.

1. The proposed activity is construction of MSW treatment facility for 100 TPD MSW at Sy.no. 39, Rayanakere, Mysuru.
2. Project Cost: Rs.1396.00 Lakhs
3. Energy Requirement: The proposed power requirement for the project is 125 KVA. The required power will be drawn from CHESCOM. The backup power is provided by DG set of 125 KVA capacity.
4. Land form, Land use & Land Ownership: Barren land with degraded shrubs and with MSW activity. The land is in possession with Mysore City Corporation. 30 MLD STP is established at the premises already.
5. Hazardous waste details:
There is no hazardous waste generated in the project as stated by the proponent.
6. Water requirement: Fresh water required is 15 KLD. The source of water is bore well
7. Green belt: 3850 Sqm (5 m width green belt for a length of 770 m all round the site is proposed.
8. Form-1, Prefeasibility report, land documents and site plan submitted.
9. Solid Waste details:
Leachate is treated in existing STP and inerts shall be disposed off to existing landfill at Vidyaranyaapuram.
10. Connectivity:

Sl.No. Road	Distance from the project site (km)
1 Mysuru City	3.00
2 Ashokapuram Railway Station	8.00
3 Mysuru Airport	12

All distances mentioned are aerial.

The Proponent and Environmental Engineer from Mysuru City Corporation 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 observed that there is a discrepancy in the capacity of the plant between presentation and application. The proponent has been directed to submit the revised application, increasing the capacity of

the plant from 100 TPD to 150 TPD. 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.

Additional ToR's.

1. Compliance regarding site selection criteria as MSW rules, 2000.
2. Aerial distance from Mysuru Airport and NOC form airport authority of India.
3. Compliance to lok adalat directions- orders from lok adalat and compliance/acceptance and preventive measures taken is to be submitted.
4. Detailed study for mosquito menance due to presence of STP
5. Scheme of developing wind rose as per CPCB guide lines.
6. Efficiency of the machinery used for waste turning to be given.
7. Fertilizer quality of the existing and proposed plant.

Accordingly the ToRs were issued on 3.08.2016. In the meanwhile the proponent vide letter dated: 9-3-2017 has submitted the revised application, by enhancing the capacity from 100 TPD to 150 TPD in consultation with Urban Development Department, and had also made the presentation before the committee accordingly.

The authority perused the request made out by the proponent and issued the corrigendum for the amendments to ToR vide letter dated: 3-4-2017.

The project proponent has submitted the EIA report vide letter dated 03-02-2018.

The proposal is placed before the committee for EIA appraisal.

The Proponent and Environment Consultant Sri. Neelesh Deshmukh, NABET Accredited Consultant, M/s SMS Envocare Ltd, Pune attended the meeting of SEAC to present the EIA report and to provide clarification/additional information.

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

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

- 1) The proponent has to plant more number of aromatic trees to avoid odour nuisance.
- 2) The proponent shall adopt the latest technology for leachate treatment as done by BBMP.
- 3) The proponent shall strictly follow the citing guidelines.
- 4) The proponent shall submit the surface water analysis report at Yennehole at the inlet of nala/lake.

- 5) The proponent shall establish the Environment Management cell.
- 6) The proponent shall install the continuous Ambient Air quality monitoring station at the premises.

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

194.4 Construction of MSW Treatment and Disposal Facility at sy no 307, 308 317 A B C D, Kesare Mysuru of Mysuru City Corporation, New Sayyaji Rao Road, Mysuru (SEIAA 22 IND 2016)

Name of Applicant: - Commissioner, Mysuru City Corporation

Name of the Consultancy Firm: - M/s SMS Envocare Ltd., NABET Accredited Consultant, Pune-411028.

Name of the Project: Construction of MSW treatment facility.

Name of the Company: Mysuru City Corporation.

Name of the Applicant: Commissioner, Mysuru City Corporation

Commissioner, Mysuru City Corporation, has applied for Environmental Clearance from SEIAA for their Proposed Construction of MSW Treatment facility, at Sy No 307,308,317 A, B, C & D, Kesare village, Mysuru, Karnataka.

This is a project falling under the category 7(i) Common Municipal Solid Waste Management Facility (CMSWMF) of the Schedule of EIA Notification 2006.

1. The total Plot area is 11.00 Acre. For treatment 6.5 acre & for Land fill 4.5 acre.

The proposed activity is construction of MSW treatment facility for 200 TPD MSW at Sy.no. 307,308,317 A, B, C & D, Kesare village, Mysuru, Karnataka.

1. **Project Cost:** Rs.2302.00 Lakhs
2. **Energy Requirement:** The proposed power requirement for the project is 250 KVA. The required power will be drawn from CHESCOM. The backup power is provided by DG set of 250 KVA capacity.
3. **Land form, Land use & Land Ownership:** Barren land with degraded shrubs and with MSW activity. The land is in possession with Mysore City Corporation. 30 MLD STP is established at the premises already.
4. **Hazardous waste details:**
There is no hazardous waste generated in the project as stated by the proponent.
6. **Water requirement:** Fresh water required is 25 KLD. The source of water is bore well
7. **Green belt:** 8620.23 Sqm
8. Form-1, Prefeasibility report, land documents and site plan submitted.
9. **Solid Waste details:**
Leachate is treated in existing STP.

10. Connectivity:

Sl.No.	Road	Distance from the project site (km)
1	Mysuru City	8.00
2	SW Railway Station	12.00

All distances mentioned are aerial.

The Proponent and Environmental Engineer from Mysuru City Corporation 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.

Additional ToR's.

1. Compliance regarding site selection criteria as MSW rules, 2000.
2. Aerial distance from Mysuru Airport and NOC form airport authority of India.
3. Compliance to lok adalat directions- orders from lok adalat and compliance/acceptance and preventive measures taken is to be submitted.
4. Detailed study for mosquito menance due to presence of STP
5. Scheme of developing wind rose as per CPCB guide lines.
6. Efficiency of the machinery used for waste turning to be given.
7. Fertilizer quality of the existing and proposed plant.

Accordingly the ToRs were issued on 3.08.2016.

The project proponent has submitted the EIA report vide letter dated 03-02-2018.

The proposal is placed before the committee for EIA appraisal.

The Proponent and Environment Consultant Sri. Neelesh Deshmukh, NABET Accredited Consultant, M/s SMS Envocare Ltd, Pune attended the meeting of SEAC to present the EIA report and to provide clarification/additional information.

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

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

- 1) The proponent has to plant more number of aromatic trees to avoid odour nuisance .
- 2) The proponent shall adopt the latest technology for leachate treatment as done by BBMP.
- 3) The proponent shall strictly follow the citing guidelines.

- 4) The proponent shall submit the surface water analysis report at Yennehole at the inlet of nala/lake.
- 5) The proponent shall establish the Environment Management cell.
- 6) The proponent shall install the Continuous Ambient Air quality monitoring station at the premises.

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

2:30 PM to 5:30 PM

Fresh Subjects:

- 194.5 Proposed Residential Apartment Projects at Sy.No.105B, 106 B&C of Dommasandra Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District by Sri. I Sravana Kumar Reddy. (SEIAA 25 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri I Sravana Kumar Reddy S/o. Sri I Yanadi Reddy, Flat No. P-2, Sri Sri Homes Apartments, SG Palya, CV Raman Nagar Post, Bangalore 560093
2	Name & Location of the Project	Proposed Residential Apartment project by Sri I Sravana Kumar Reddy, at Sy. No. 105B, 106B&C, at Dommasandra Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District.
3	Co-ordinates of the Project Site	Longitude: 77°44'18.63"E Latitude: 13° 0'37.75"N
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.)	Yellamma lake - 0.860 kms (NW) Tertiary Nala is at 102m 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 2014 dated 04.05.2016, if Applicable.	There are no lake within 75 meter from the site boundary and no nala within 50 meters from the site boundary.
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical	Residential Apartment

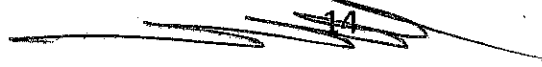
	Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	
b.	Residential Township/ Area Development Projects	No
6	Plot Area (Sqm)	8,093.64 sq.m.
7	Built Up area (Sqm)	31,139.18 sq.m
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Construction of Residential Apartment project comprising of 2 Blocks, Block A having 1 Basement + Ground Floor + 9 Upper Floors + Terrace Floor with 144 units and Block B having Ground Floor + 9 Upper Floor + Terrace Floor with 117 units
9	Number of units in case of Construction Projects	Total Number of Units is 261 Nos.
10	Number of Plots in case of Residential Township/ Area Development Projects	-
11	Project Cost (Rs. In Crores)	35
12	Recreational Area in case of Residential Projects / Townships	Swimming Pool - 250 sq.m. and Senior Citizen allocated area - 250 sq.m. Cycling track - 100 sq.m. Total recreational ground area = 607 sq.m. (7.5% of plot area); Gym and Indoor games on Ground floor: 607 sq.m.(7.5% of plot area). Total recreational area = 1,214 sq.m. (15% of plot area)
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	3,006.26 sqm (37.14%)
b.	Kharab Land	Nil
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2,670.90 sq.m (33.00%)
d.	Internal Roads	2,416.48 sq.m. (29.86%)
e.	Paved area	-
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
h.	Total	8,093.64 sqm
14	Details of demolition debris and / or Excavated earth	
a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition	No demolition is involved.

	waste management Rules 2016, If Applicable	
b.	Total quantity of Excavated earth (in cubic meter)	26,978.31.m.
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	26,978.31 cu.m.
d.	Excess excavated earth (in cubic meter)	Nil
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	No disposal

15	WATER							
I.	Construction Phase							
a.	Source of water	From Nearby treated water suppliers						
b.	Quantity of water for Construction in KLD	50 KLD						
c.	Quantity of water for Domestic Purpose in KLD	10 KLD						
d.	Waste water generation in KLD	8 KLD						
e.	Treatment facility proposed and scheme of disposal of treated water	The sewage generated during the construction phase will be treated in the Mobile STP						
II.	Operational Phase							
a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>28.1</td> </tr> <tr> <td>Recycled</td> <td>58.73 + 95.24=153.97</td> </tr> <tr> <td>Total</td> <td>182.07</td> </tr> </table>	Fresh	28.1	Recycled	58.73 + 95.24=153.97	Total	182.07
Fresh	28.1							
Recycled	58.73 + 95.24=153.97							
Total	182.07							
b.	Source of water	Gram panchayath						
c.	Waste water generation in KLD	172.97 KLD						
d.	STP capacity	180 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	160 cu.m.
b.	No's of Ground water recharge pits	27 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
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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 313.2 kg/day. Biodegradable waste will be converted in organic convertor.
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms 208.80 kg/day. Non- Biodegradable waste will be handed over to authorized recyclers
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms Nil
	d.	Quantity of E waste generation and mode of Disposal as per norms E-waste generation will be very less
19	POWER	
	a.	Total Power Requirement - Operational Phase 1200 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply 1 X 1200 kVA.
	c.	Details of Fuel used for DG Set HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007 <ul style="list-style-type: none"> • Energy saved by using Solar water Heater : 75,000kWH/ Year.....(a) • Total SPV Power Generation in a year = 0.60 L kWh / Annum.....(b) • Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 0.75+0.60 L KWH = 1.35 L / Annum(c) • Total energy savings from residential building = 38.52%
20	PARKING	
	a.	Parking Requirement as per norms One car spacing for 1 unit Total units = 261 Parking required is 261+26=287 cars Total car Parking required as per NBC= 287

		Parking Provided is 287 Ecs which is as Per NBC and MoEF Norms
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Medahalli to Belathur Road -LOS - C
c.	Internal Road width (RoW)	8.0 m

The Proponent and Environment Consultant Sri. Dhanraj Bharathi Narasimha, (Obtained stay from Hon'ble High Court of Karnataka) attended the meeting of SEAC to provide clarification/additional information.

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

The committee while appraising the proposal observed that as per the village survey map, there are no natural nalas or water bodies either in the project site or in the vicinity of project site requiring buffer zone as per the NGT order.

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

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

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

194.6 Proposed "Gopalan E-Park" IT/ITES SEZ-Commercial Building Projects at Plot No.1 & 1-P, Sy.Nos.108(P), 111(P), 112(P), 114(P), 115(P), 124(P), 125(P), 197(P) & 198(P), 3rd Phase Koorgalli Industrial Area, Koorgalli Village, Ilawala Hobli, Mysuru Taluk, Mysuru District by M/s. Gopalan Enterprises (SEIAA 26 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1.	Name & Address of the Project Proponent	Mr. C. Gopalan Managing Partner, M/s. Gopalan Enterprises, #5, Richmond Road, Bengaluru - 560 025.
2.	Name & Location of the Project	Plot No. 1 & 1-P, Sy. No. 108(P), 111(P), 112(P), 114(P), 115(P), 124(P),125(P), 197(P) & 198(P), 3rd Phase Koorgalli Industrial Area,

		Koorgalli Village, Ilawala Hobli, Mysuru Taluk, Mysuru
3.	Co-ordinates of the Project Site	Latitude : 12 Deg 21 Min 51.76 Sec N Longitude : 77 Deg 34 Min 13.79 Sec E
4.	ENVIRONMENTAL SENSITIVITY	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Lake is on Northern & Southeastern side of the project site, 30 m buffer has been given. Nala is on western side of the site, 12m buffer has been given
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.	Nala is on western side of the site, 12m buffer has been given
5.	TYPE OF DEVELOPMENT	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	IT/ ITES SEZ
b.	Residential Township/ Area Development Projects	NA
6.	Plot Area (Sqm)	1,13,475.00 Sqm
7.	Built Up area (Sqm)	1,49,988.96 Sqm
8.	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Proposed IT & ITES office building consists of 2 blocks in 2B+G+10UF.
9.	Number of units in case of Construction Projects	NA
10.	Number of Plots in case of Residential Township/ Area Development Projects	NA
11.	Project Cost (Rs. In Crores)	Rs. 60 Crores
12.	Recreational Area in case of Residential Projects / Townships	-
13.	DETAILS OF LAND USE (SQM)	
a.	Ground Coverage Area	11,119.54 Sqm
b.	Kharab Land	-
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	48,859.32 Sqm

d.	Internal Roads	22,910.05 Sqm
e.	Paved area	-
f.	Others Specify	Reserved Surface parking area =8,748.13 Sqm Service area = 4,443.77 Sqm Area for Future Development = 17,394.01 Sqm
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
h.	Total	1,13,475.00 Sqm

14. DETAILS OF DEMOLITION DEBRIS AND / OR EXCAVATED EARTH

a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	There is no demolition work
b.	Total quantity of Excavated earth (in cubic meter)	1,58,075.65 m ³
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	1,58,075.65 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	Excavated soil is used within the project site

15. WATER

I.	Construction Phase		
a.	Source of water	KIADB	
b.	Quantity of water for Construction in KLD	54 KLD	
c.	Quantity of water for Domestic Purpose in KLD	25.5 KLD	
d.	Waste water generation in KLD	24.23 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	Domestic sewage generated during construction phase will be collected & lifted by authorized agency for further treatment.	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	356 KLD
		Recycled	179KLD
		Total	535 KLD
b.	Source of water	KIADB	
c.	Waste water generation in KLD	508 KLD	

d.	STP capacity	550 KLD
e.	Technology employed for Treatment	Sequential Batch Reactor (SBR) Technology
f.	Scheme of disposal of excess treated water if any	--
16.	INFRASTRUCTURE FOR RAINWATER HARVESTING	
a.	Capacity of sump tank to store Roof run off	510 m ³
b.	No's of Ground water recharge pits	35 Nos.
17.	Storm water management plan	Internal garland drains will be provided within the site in order to carry out the storm water into the recharge pits and will be managed within the site, excess runoff will be routed in to the external storm water drain.
18.	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	The domestic solid wastes will be minimal as there is no provision of labor colony; the generated domestic solid waste will be handed over to local vendors. Construction debris -146 m ³ This will be reused within the site for road and pavement formation
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	1,192 kg/day This will be segregated at household levels and will be processed in proposed organic waste converter.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	1,788 kg/day Recyclable wastes will be handed over to authorized waste recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil Generation : 6.56 L/ running hour of DG Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.
d.	Quantity of E waste generation and mode of Disposal as per norms	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.
19.	POWER	
a.	Total Power Requirement - Operational Phase	10,800 kW
b.	Numbers of DG set and capacity in KVA for Standby Power	1500 kVA - 9 Nos.

	Supply	
c.	Details of Fuel used for DG Set	2828.52 L/hr
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy savings achieved on common area & services will be 27%
20.	PARKING	
a.	Parking Requirement as per norms	2348 Nos.
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	30m wide KIADB Road Koorgalli "A"
c.	Internal Road width (RoW)	30 m (ROW)

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

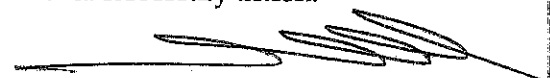
The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting.

The committee while appraising the proposal observed from the village survey map that the project is in Koorgalli Industrial area of KIADB, Mysore, hence the NGT order pertaining to the buffer zone in the city of Bangalore does not apply to Mysore area. But as per MUDA which is a planning authority for this area, the buffer zone specified for primary, secondary and tertiary nala are 12 meters, 9 meters and 6 meter respectively and in case of water bodies the buffer zone stipulated is 30 meters. As seen from the village survey map, there is a primary nala passing by the side of the project area for which the proponent has stated that he has left 12 meter buffer as per the norms. Also it was observed there are two lakes adjacent to this site area for which the proponent has stated that he has left 30 meter buffer zone as per the norms

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

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall submit detailed floor wise built up area calculations.
4. Number of trees to be increase to 1420 as per norms

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



194.7 Proposed Residential Apartment Projects at Sy.Nos.138/2, 138/3, 138/4 & 138/5 of Doddakanahalli Village, Varthur Hobli, Bangalore East Taluk, Bangalore Urban District by M/s. Nikhar Estates LLP (SEIAA 28 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. P Nagendra Partner M/s. Nikhar Estates LLP, No. 349, 15 th Cross, 17 th Main, 4 th Sector, HSR Layout, Bangalore 560102
2	Name & Location of the Project	Proposed Residential Apartment project by M/s. Nikhar Estates LLP, at Sy. No. 138/2, 138/3, 138/4 & 138/5, at Doddakanahalli Village, Varthur Hobli, Bangalore East Taluk, Bangalore Urban District.
3	Co-ordinates of the Project Site	Longitude: 77°41'48.96"E Latitude: 12°54'54.59"N
4	Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, NaLa etc.,) Doddakanahalli lake - 0.213 kms (SW) There is a tertiary nala towards West for which 25 m buffer has been left
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable. There are no lake within 75 meter from the site boundary and there is a tertiary nala towards West for which 25 m buffer has been left
5	Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other Residential Apartment
	b.	Residential Township/ Area Development Projects No
6	Plot Area (Sqm)	12,528.10 sq.m.
7	Built Up area (Sqm)	40,848.8 sq.m
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Construction of Residential Apartment project having 1 Basement + Ground Floor + 9 Upper Floors + Terrace Floor with 340 units
9	Number of units in case of Construction Projects	Total Number of Units is 340 Nos.

10	Number of Plots in case of Residential Township/ Area Development Projects	-	
11	Project Cost (Rs. In Crores)	40	
12	Recreational Area in case of Residential Projects / Townships	Swimming Pool - 250 sq.m. and Senior Citizen allocated area - 250 sq.m. Cycling track - 371 sq.m. Total recreational ground area = 871 sq.m. (7.5% of plot area); Gym and Indoor games on Ground floor: 871 sq.m.(7.5% of plot area). Total recreational area = 1742 sq.m. (15% of plot area)	
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	3120.20 sqm (26.86%)
	b.	Kharab Land	Nil
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	5,546.85 sq.m (47.75%)
	d.	Internal Roads	2,950.60 sq.m. (25.40%)
	e.	Paved area	-
	f.	Others Specify	-
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	11,617.28 sqm
14	Details of demolition debris and / or Excavated earth		
	a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	No demolition is involved.
	b.	Total quantity of Excavated earth (in cubic meter)	40,276.62 m.
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	40,276.62 cu.m.
	d.	Excess excavated earth (in cubic meter)	Nil
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	No disposal
15	WATER		
	I.	Construction Phase	

a.	Source of water	From Nearby treated water suppliers	
b.	Quantity of water for Construction in KLD	50 KLD	
c.	Quantity of water for Domestic Purpose in KLD	10 KLD	
d.	Waste water generation in KLD	8 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	The sewage generated during the construction phase will be treated in the Mobile STP	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	40.54
		Recycled	76.5+120.11=196.61
		Total	237.15
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	225.29 KLD	
d.	STP capacity	235 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	160 cu.m.	
	No's of Ground water recharge pits	40 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	408.0 kg/day. Biodegradable waste will be converted in organic convertor.	
b.	Quantity of Non- Biodegradable	272.0 kg/day. Non- Biodegradable waste will be	

	waste generation and mode of Disposal as per norms	handed over to authorized recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Nil
d.	Quantity of E waste generation and mode of Disposal as per norms	E-waste generation will be very less
19	POWER	
a.	Total Power Requirement - Operational Phase	1500 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 1000 kVA. + 1 X 500 kVA
c.	Details of Fuel used for DG Set	HSD
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	<ul style="list-style-type: none"> • Energy saved by using Solar water Heater : 50,000kWH/ Year.....(a) • Total SPV Power Generation in a year = 0.60 L kWH / Annum.....(b) • Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 0.5+0.60 L KWH = 1.1 L / Annum(c) • Total energy savings from residential building = 25.11%
20	PARKING	
a.	Parking Requirement as per norms	One car spacing for 1 unit Total units = 340 Parking required is 340+34=374 cars Total car Parking required as per NBC= 374 Parking Provided is 375 Ecs which is as Per NBC and MoEF Norms
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Doddakanahalli Road -LOS - C
c.	Internal Road width (RoW)	12.19 m

The proponent and Environmental consultant Mr. Dhanraj B.N (Obtained stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed from the village survey map, that there is a nala on the southern side of the site for which the proponent has stated that he has left 25 meter buffer zone as per the NGT order.

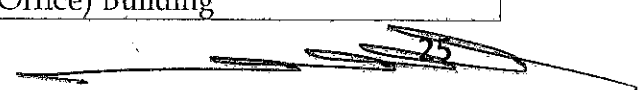
The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

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

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

194.8 Proposed Commercial Building Projects at Khata Old No.112, New No.492, Sy.No.60/1 of Mahadevapura Village, K.R.Puram Hobali, Bangalore East Taluk, Bangalore District by M/s. Power Point. (SEIAA 30 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr.Yathish Kumar. Authorized Signatory M/s, Power Point, No.3, Curley Street, Richmond Town, Bangalore-560025.
2	Name & Location of the Project	Proposed Commercial (Office) Building at Katha old No.112 New No.492, Sy No.60/1 Mahadevapura Village, K.R.Puram Hobali, Bangalore East Taluk Bangalore-560048.
3	Co-ordinates of the Project Site	12°59'41.87"N 77°41'37.45"E
4	Environmental Sensitivity	No Environmental Sensitivity
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.
5	Type of Development	Commercial (Office) Building
	a.	Residential Apartment / Villas / Commercial (Office) Building



	Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	
b.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)	11911.3 sqm
7	Built Up area (Sqm)	58,825.51 sqm
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	B+G+ Stilt Floor 1 (First Floor) + Stilt Floor 2+ Stilt Floor 3+ Stilt Floor 4+ Stilt Floor 5+ Stilt Floor 6+ Stilt Floor 7+ Second Floor(2nd) to Tenth Floor(10th Floor)
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)	75
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	2664.44 Sqm(22.36%)
b.	Kharab Land	NA
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2521.3 (21.16%)Sqm
d.	Internal Roads	8 mts Width
e.	Paved area	6725.5 (56.48 %) Sqm
f.	Others Specify	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
h.	Total	
14	Details of demolition debris and / or Excavated earth	
a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If	Old building Demolition debris is around 1000cum is disposed to our site only for levelling and we not disturb the any natural nala or stream. The bricks and wood material is used for construction of security shed and compound

	Applicable	wall
b.	Total quantity of Excavated earth (in cubic meter)	30000
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	For back filling =15000 For Land scape= 5000 For Internal Road making =10000
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	5 KLD
d.	Waste water generation in KLD	4 KLD
e.	Treatment facility proposed and scheme of disposal of treated water	Mobile Treatment Palnt
II.	Operational Phase	
a.	Total Requirement of Water in KLD	Fresh 93 Recycled 77 Total 200
b.	Source of water	BWSSB
c.	Waste water generation in KLD	170
d.	STP capacity	170
e.	Technology employed for Treatment	EASP
f.	Scheme of disposal of excess treated water if any	Zero Discharge
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	50
b.	No's of Ground water recharge pits	8
17	Storm water management plan	Enclosed in EMP
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste	Given to BBMP authorities

	generation and mode of Disposal as per norms		
II.	Operational Phase		
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	666 kg/ day converted in to organic manur and used for garden	
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	444 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 and mode of Disposal as per norms	500 Kg/year given to PCB authorized recycler	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms		
19	POWER		
a.	Total Power Requirement - Operational Phase	3500 kva	
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1010 KVA X 2 nos and 1500 KVA X 1 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	775	
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards	Existing traffic (LOS)
		K.R Puram	D
		Whitefield	D
c.	Internal Road width (RoW)	8 mts	

The proponent and Environmental consultant Sri. Dodda Mudde Gowda K.S (Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed from the village survey map that there are no natural nalas or water bodies in the project site or in the vicinity of the site requiring buffer zone as per the NGT order.

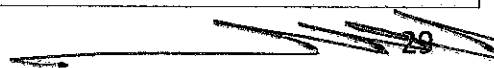
The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

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

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

194.9 Proposed Commercial Development Project at Khata No.146/154-A carved out of Sy.Nos.327/1 & 327/2 of Bommasandra Village, Attibele Hobali, Bangalore District by M/s. The Nilgiri Dairy Farm Pvt. Ltd. (SEIAA 31 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. The Nilgiri Dairy Farm Pvt. Ltd, Knowledge House, Shyam Nagar, Off. Jogeshwari- Vikhroli Link Road, Jogeshwari East, Mumbai - 400 060.
2	Name & Location of the Project	Proposed Commercial Development (Retail building, Restaurant & Theatre comprising of 2140 seats) at Katha No:146/154-A carved out of Sy Nos. 327/1 and 327/2, Bommasandra Village, Attibele Hobali, Bangalore District.
3	Co-ordinates of the Project Site	12°49'12.73"N 77°41'11.55"E
4	Environmental Sensitivity	No Environmental Sensitivity around 500 mts radius
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.
5	Type of Development	Commercial Development(Retail building, Restaurant & Theatre comprising of 2140 seats)



a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	(Retail building, Restaurant & Theatre comprising of 2140 seats)
b.	Residential Township/ Area Development Projects	
6	Plot Area (Sqm)	Total site area = 15,175.71 Sqm Land surrendered to metro = 576.58 Sqm. The net site area is 14,599.13sqmt
7	Built Up area (Sqm)	64,758.00 Sqm
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Commercial Complex = 3B+LG+G+4 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)	180
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	6233 Sqm (42.64%).
b.	Kharab Land	NA
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2919.8 (20.0%) Sqm
d.	Internal Roads	
e.	Paved area	3350.1 (22.9%) Sqm
f.	Others Specify	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
h.	Total	
14	Details of demolition debris and / or Excavated earth	
a.	Details of Debris (in cubic	New project the land is vacant

	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)	93000 m3.						
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	The proposed project consists of 3 Basements of about 10,784 sq.m. The total earth excavation is about 90,000 m3. The depth of foundation for columns/pillars is 2m below GL which results in additional earthwork excavation of about 3000 m3. Hence the total earth excavation is about 93,000 m3. The above amounts to 93,000 m3 which will be used within the project site for landscaping of gardens, road formation etc. and some portion will be stored in our nearby property. The demolition of the existing building bricks, wood materials will be re-used for construction of the security house, compound wall and re-imaging of solid waste which we dispose to our own land for leveling the site without altering any natural slope or Nala.						
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	Existing Borewells						
b.	Quantity of water for Construction in KLD	50 KLD						
c.	Quantity of water for Domestic Purpose in KLD	5KLD						
d.	Waste water generation in KLD	4						
e.	Treatment facility proposed and scheme of disposal of treated water	Mobile Treatment Plant						
II.	Operational Phase							
a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>140</td> </tr> <tr> <td>Recycled</td> <td>60</td> </tr> <tr> <td>Total</td> <td>200</td> </tr> </table>	Fresh	140	Recycled	60	Total	200
Fresh	140							
Recycled	60							
Total	200							

b.	Source of water	KIADB
c.	Waste water generation in KLD	165 KLD
d.	STP capacity	165 KLD Capacity
e.	Technology employed for Treatment	SBR Followed by UV
f.	Scheme of disposal of excess treated water if any	Zero Discharge
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	90 cum
b.	No's of Ground water recharge pits	9 pits
17	Storm water management plan	Enclosed in EMP
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	10 kg/day given to local municipal
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	2045 kg/day converted in to manure by using organic convertor and used for garden
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	1364 kg/day given to KSPCB authorized vendor for recycling
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	500 to 600 lts spent oil given to KSPCB authorized vendor for recycling
d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	100 kg/year given to KSPCB authorized vendor for recycling
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	
19	POWER	
a.	Total Power Requirement - Operational Phase	2500 kva
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	850 KVA X 4 NOS
c.	Details of Fuel used for DG Set	Diesel
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar	18 % and details is given in the time of presentation

	energy as per ECBC 2007		
20	PARKING		
a.	Parking Requirement as per norms	1025 nos	
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards	Existing traffic (LOS)
		Bommasandra Jigani link Area	B
		Hosur Road	C
		Hosur Service Road	B
		Bangalore	C
		Bangalore service Road	B
c.	Internal Road width (RoW)	8 mts	
		Projected for next three years after adding generated traffic (LOS)	
			B
			C or D
			B or C
			D
			C

The proponent and Environmental consultant Sri. Dodda Mudde Gowda K.S (Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed from the village survey map that there are no natural nalas or water bodies in the project site or in the vicinity of the site requiring buffer zone as per the NGT order.

As per the proposal submitted there will be 40,000 cum of excess earth for which the proponent has stated that he has another 10 acres of land in the same survey number adjacent to this property, wherein there is a small building with a plinth area of 4,000 sqmts and he proposes to utilize the excess earth in this land.

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

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall utilize the excess excavated earth in his own adjacent land.
4. 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.

194.10 Proposed Commercial Office Building Project at Survey Nos. 78/1, 78/3, 78/4, 78/5, 78/6, 78/7, 78/8B(P) and 78/9(P) Doddakannelli Village, Varthur Hobli, Bengaluru East Taluk, Bangalore District by M/s. Salarpuria Builders Pvt. Ltd. (SEIAA 33 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Salarpuria Builders Pvt. Ltd., 4 th Floor, Salarpuria Windsor, No.3, Ulsoor Road, Bengaluru - 560 042.
2	Name & Location of the Project	Proposed Commercial Office Building At Survey Nos. 78/1, 78/3, 78/4, 78/5, 78/6, 78/7, 78/8B(P) and 78/9(P), Doddakannelli Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru.
3	Co-ordinates of the Project Site	Latitude: 12°54'44.17" N Longitude: 77°41'00.97" E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Saulkere Lake - 350 m from the project site. Doddakannelli Lake - 780 m from the project site Kaikondrahalli Lake - 810 m from the project site. Devarabeesanahalli Lake - 1.0 km from the project site. Halanayakanahalli Lake - 1.2 km from the project site. Kasavanahalli Lake - 1.5 km from the project site. As per the village map there is a Kharab nala in the North East direction of the project site. However the buffer of 25m from the edge of nala has been left as per the NGT order No. OA 222/2014 dated 04.05.2016.
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 the village map there is a Kharab nala in the North East direction of the project site. However the buffer of 25m from the edge of nala has been left as per the NGT order No. OA 222/2014 dated 04.05.2016.
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Commercial office Building

b.	Residential Township/ Area Development Projects	No
6	Plot Area (Sqm)	17,122.99 Sqmt
7	Built Up area (Sqm)	73,316.93 Sqmt
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	3B+GF+9UF
9	Number of units in case of Construction Projects	NA
10	Number of Plots in case of Residential Township/ Area Development Projects	NA
11	Project Cost (Rs. In Crores)	Rs. 226.29 Crores
12	Recreational Area in case of Residential Projects / Townships	No
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	4,813.97 Sqmt
b.	Kharab Land	202.34 Sqmt
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	5,147.55 Sqmt
d.	Internal Roads	4,489.29 Sqmt
e.	Paved area	No
f.	Others Specify	Service Area - 243.84 Sqmt Road widening area - 662.0 Sqmt DP road widening area - 1,564.0 Sqmt
g.	Parks and Open space in case of Residential Township/ Area Development Projects	Included in the landscape area (5,147.55 Sqmt)
h.	Total	17,122.99 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,	73 m ³

	If Applicable	
b.	Total quantity of Excavated earth (in cubic meter)	56,000 m ³
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	41,250 m ³
d.	Excess excavated earth (in cubic meter)	14,750 m ³
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Excess will be utilized for preparation of soil cement blocks.
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	29.0 KLD
c.	Quantity of water for Domestic Purpose in KLD	26 KLD
d.	Waste water generation in KLD	25 KLD
e.	Treatment facility proposed and scheme of disposal of treated water	Mobile STP
II.	Operational Phase	
a.	Total Requirement of Water in KLD	Fresh 195 KLD
		Recycled 145 KLD
		Total 340 KLD
b.	Source of water	BWSSB
c.	Waste water generation in KLD	306 KLD
d.	STP capacity	310 KLD
e.	Technology employed for Treatment	Sequential Batch Reactor Technology
f.	Scheme of disposal of excess treated water if any	For Flushing - 145 KLD For Landscaping - 33 KLD HVAC - 113 KLD
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	20 Nos.	
17	Storm water management plan	Yes	
18	WASTE MANAGEMENT		
I.	Construction Phase		
a.	Quantity of Solid waste generation and mode of Disposal as per norms	105 kg/day. Solid waste generated will be collected manually and handed over to authorized recyclers.	
II.	Operational Phase		
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	532 kg/Day. Biodegradable wastes will be segregated at the source and will be processed in proposed organic waste converter.	
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	799 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: 2.19 l/hr. Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.	
d.	Quantity of E waste generation and mode of Disposal as per norms	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.	
19	POWER		
a.	Total Power Requirement - Operational Phase	3,918 kVA	
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1,500 kVA X 3 Nos.	
c.	Details of Fuel used for DG Set	Diesel is used as fuel for DG and the diesel consumption is 942.84 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 LED Energy Savings: 18.6%	
20	PARKING		
a.	Parking Requirement as per norms	Required	Provided
		911 Nos.	920 Nos.

b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Road	Towards	Existing	Modified	Changed Scenario-After Road Widening	Changed Scenario-Commuter Rail System operational
		Sarjapur Road	Sarjapur ORR	D	E	B	B
c.	Internal Road width (RoW)	24 m.					

The proponent and Environmental consultant Sri. M.D Sanjay Kumar (Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed from the village survey map that there is a tertiary nala running across the site on the northern side for which the proponent has stated that he has left buffer as per the NGT order.

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

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

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

194.11 Proposed Villa Development Project at Khata No. 1626 (Survey No. 109/2B), Khata No. 1627 (Survey No. 112/2), Khata No. 1628 (Survey No. 112/3) of Doddagubbi Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore District by M/s. Ashed Properties & Investments Pvt. Ltd. (SEIAA 34 CON 2018)

Sl. No	PARTICULARS	INFORMATION
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1.	Name & Address of the Project Proponent	MEHMOOD AGHA Ashed Properties & Investments Pvt. Ltd., Sameer House, 154/1, Wheeler Road, Fraser Town, Bangalore - 560 005
2	Name & Location of the Project	Khata No. 1626 (Survey No. 109/2B), Khata No. 1627 (Survey No. 112/2) Khata No. 1628 (Survey No. 112/3), Doddagubbi Village, Bidarahalli Hobli, Bangalore East Taluk
3	Co-ordinates of the Project Site	13° 04' 24.1"N 77 °39' 33.4"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Rajakaluve: - Tertiary Nala towards north at a distance of 118 M from the Project Site boundary - Primary Nala towards North East at a distance of 158M from the Project Site boundary
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	There is no Water Body / Rajakaluve within 75 mts of the project site Boundary
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	RESIDENTIAL PROJECT - Villa Development
b.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)	44,743.03 SQM
7	Built Up area (Sqm)	32,260.45 SQM
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Ground + 2 Upper Floors
9	Number of units in case of Construction Projects	108 Villas + Club House

10	Number of Plots in case of Residential Township/ Area Development Projects	NA
11	Project Cost (Rs. In Crores)	81.25 Crores
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	11,632.77 SQM (28.58%)
b.	Kharab Land	Not Available
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	17,971.96 SQM (35.2%)
d.	Internal Roads	13,236.3 SQM (29.58%)
e.	Paved area	
f.	Others Specify	1,902 (6.64%) SQM - Peripheral Ring Road
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
h.	Total	44,473.03 SQM (100%)
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	2450 cum of Construction Debris will be generated. The same is proposed to be used back within the site itself.
b.	Total quantity of Excavated earth (in cubic meter)	12,950 cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	The total quantity of excavated earth material will be approx. 12,950 m3. Top soil will be stored separately and used for landscaping and the remaining excavated soil will be used in backfilling and other area development activities
d.	Excess excavated earth (in cubic meter)	NA
e.	Plan for scientific disposal of excess excavated earth along	NA

	with Coordinate of the site proposed for such disposal							
15	WATER							
I.	Construction Phase							
a.	Source of water	Treated Water						
b.	Quantity of water for Construction in KLD	20 KLD						
c.	Quantity of water for Domestic Purpose in KLD	5 KLD						
d.	Waste water generation in KLD	4 KLD						
e.	Treatment facility proposed and scheme of disposal of treated water	--						
II.	Operational Phase							
a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>50 KLD</td> </tr> <tr> <td>Recycled</td> <td>26 KLD</td> </tr> <tr> <td>Total</td> <td>76 KLD</td> </tr> </table>	Fresh	50 KLD	Recycled	26 KLD	Total	76 KLD
Fresh	50 KLD							
Recycled	26 KLD							
Total	76 KLD							
b.	Source of water	Village Panchayath						
c.	Waste water generation in KLD	73 KLD						
d.	STP capacity	80 KLD						
e.	Technology employed for Treatment	Sequencing Batch Reactor Technology						
f.	Scheme of disposal of excess treated water if any	Flushing & Gardening						
16	Infrastructure for Rain water harvesting							
a.	Capacity of sump tank to store Roof run off	300 Cum						
b.	No's of Ground water recharge pits	87 Nos.						
17	Storm water management plan	Roof Water shall be collected and supplemented with the Fresh Water requirement of the project. Water from the Paved & Garden Area shall be directed to Recharge Pits located along the periphery of the site.						
18	WASTE MANAGEMENT							
I.	Construction Phase							
a.	Quantity of Solid waste generation and mode of Disposal as per norms	10 Kgs / day - Shall be collected and disposed of through BBMP Trucks						

II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	150 Kgs / Day Will be taken to an Organic Waste Converter
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	100 Kgs / Day Will be disposed through BBMP Trucks
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Used Oil filters generated per annum: 40 Nos. Used oil generated per annum: 4.0 KL. Oil Soaked Cotton waste The Hazardous waste generated will be disposed to KSPCB authorized recycler/landfill. The same shall be disposed by obtaining authorization from KSPCB through application for hazardous waste disposal.
d.	Quantity of E waste generation and mode of Disposal as per norms	The Ewaste generated i.e. 100 Kgs/ Annum will be disposed off to authorized Recylers.
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	NA
19	POWER	
a.	Total Power Requirement - Operational Phase	1540 KW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500 KVA x 2 Nos.
c.	Details of Fuel used for DG Set	Diesel / Gas
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	26.9% Savings proposed to be achieved by use of Solar Heaters, Solar Lighting, Copper Wound Transformers, HF Ballast & LED
20	PARKING	
a.	Parking Requirement as per norms	Parking Required: 274 Car Parks Parking Provided: 276 Car Parks
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards Hennur - A Towards Bagalur - A
c.	Internal Road width (RoW)	8 M



The proponent and Environmental consultant Sri. Mohd. Habibulla (Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed from the village survey map that there are no natural nalas or water bodies in the project site or in the vicinity of the site requiring buffer zone as per the NGT order.

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

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
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.
4. The proponent shall install mobile STP/Chemical Toilet instead of septic tank and soak pit during construction phase.
5. The proponent shall plant additional 400 tree species as per norms.

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

Agenda for 194th Meeting of SEAC scheduled to be held on 14th March 2018.

Members present in the meeting:

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



10:30 AM to 1:30 PM

Referred back from Authority

194.12 Proposed Residential Development (Residential Apartments, Villaments & Club House Block) Project at Sy.Nos.130, 132/1, 132/3, 135, 137 & 138 of Hire Ammanikere Village, Sy.Nos.99 & 100/1 of Akkupete Village, Devanahalli Taluk, Bangalore Rural District by M/s. L & W Construction Pvt. Ltd. (SEIAA 97 CON 2017)

The proponent and Environmental consultant attended the 187th meeting of SEAC held on 20th and 21st November 2017 to provide required clarification/additional information.

The committee while appraising the proposal observed that the project site under consideration is outside BBMP/BDA area and it comes under BIAPPA. The proponent has requested not to enforce NGT order since it is outside the BBMP/BDA area and requested to consider the case as per the clarifications issued in the 16th proceedings of BMRDA held on 21-1-2017 under the chairmanship of Hon'ble Chief Minister, Government of Karnataka. But this proceedings copy has not been communicated to the Dept., of Ecology and Environment. Hence, the committee could not proceed with the appraisal and decided to seek clarification from the SEIAA.

The committee after discussion decided to defer the proposal and wait for the clarification from SEIAA.

The SEIAA in its 142nd meeting held on 9th February 2018 opined that it is just and necessary to continue to make the orders of the Hon'ble NGT applicable to the proposals located in the BMRDA jurisdiction also and hence the file was referred back to SEAC with this observation/opinion.

Hence the proposal was placed before the committee for appraisal after obtaining clarification from SEIAA.

The proponent was called for the meeting and he has explained that there are three nalas criss crossing the project area and two CDP roads bifurcating the entire project area into two pieces. and the proponent expressed that if the buffer is left as per the NGT order, the project will become unviable.

The committee heard the proponents pleadings and after discussion and deliberation decided that,

since the concept plan for the project has not been prepared leaving buffer as per the NGT order the appraisal cannot be taken up on this concept plan. Hence the committee decided to recommended the file for closure.

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

Fresh Subjects:

194.13 Proposed Residential Apartment Projects at Sy.No.93, Kundalahalli Village, K.R.Puram Hobli, Bangalore South Taluk, Bangalore Urban District by M/s. United Builders (SEIAA 35 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. A Lakshmappa Managing Partner M/s. United Builders #1854, 17th Main, 30th 'B' Cross, HBR Layout, 1st Stage, 5th Block, Bangalore 560043
2	Name & Location of the Project	Proposed Residential Apartment project by M/s. United Builders, at Sy No. 93 Kundalahalli Village, KR Puram Hobli, Bangalore South Taluk, Bangalore Urban District
3	Co-ordinates of the Project Site	Longitude: 77°43'21.90"E Latitude: 12°57'56.40"N
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Kundalahalli lake - 0.15 kms W Tertiary Nala is at South of the site for which 25 buffer is left from the edge of the nala
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	There are no lake within 75 meter from the site boundary. Tertiary Nala is at South of the site for which 25 buffer is left from the edge of the nala
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartment
b.	Residential Township/ Area Development Projects	No
6	Plot Area (Sqm)	10,774.27 sq.m.
7	Built Up area (Sqm)	25,610.55 sq.m
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of	Construction of Residential Apartment project comprising of 2 Blocks, Block A & B each having 1 Stilt + Ground Floor + 3 Upper Floors + Terrace

	Basements and Upper Floors]	Floor with total of 192 units.
9	Number of units in case of Construction Projects	Total Number of Units is 192 Nos.
10	Number of Plots in case of Residential Township/ Area Development Projects	-
11	Project Cost (Rs. In Crores)	25
12	Recreational Area in case of Residential Projects / Townships	Playground area - 250 sq.m. and Senior Citizen allocated area - 250 sq.m. Cycling track - 308 sq.m. Total recreational ground area = 808 sq.m. (7.5% of plot area); Gym and Indoor games on Ground floor: 808 sq.m.(7.5% of plot area). Total recreational area = 1616 sq.m. (15% of plot area)
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	5,044.21 sq.m (46.82%)
b.	Kharab Land	Nil
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	3,555.51 sq.m (33.00%)
d.	Internal Roads	2,174.55 sq.m. (20.18%)
e.	Paved area	-
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
h.	Total	10,774.27 sqm
14	Details of demolition debris and / or Excavated earth	
a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	No demolition is involved.
b.	Total quantity of Excavated earth (in cubic meter)	23,594.85.m.
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	23,594.85 cu.m.
d.	Excess excavated earth (in cubic meter)	Nil
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site	No disposal

	proposed for such disposal	
15	WATER	
	I. Construction Phase	
	a. Source of water	From Nearby treated water suppliers
	b. Quantity of water for Construction in KLD	50 KLD
	c. Quantity of water for Domestic Purpose in KLD	10 KLD
	d. Waste water generation in KLD	8 KLD
	e. Treatment facility proposed and scheme of disposal of treated water	Mobile STP
	II. Operational Phase	
	a. Total Requirement of Water in KLD	Fresh 29.24
		Recycled 43.20+100.36=143.56
		Total 172.8
	b. Source of water	BWSSB
	c. Waste water generation in KLD	164.16 KLD
	d. STP capacity	170 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	270 cu.m.
	b. No's of Ground water recharge pits	28 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	230.40 kg/day. Biodegradable waste will be

	generation and mode of Disposal as per norms	converted in organic convertor.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	153.60 kg/day. Non- Biodegradable waste will be handed over to authorized recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Nil
d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	E-waste generation will be very less
19	POWER	
a.	Total Power Requirement - Operational Phase	1000 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 1000 kVA.
c.	Details of Fuel used for DG Set	HSD
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	<ul style="list-style-type: none"> • Energy saved by using Solar water Heater : 50,000kWH/ Year.....(a) • 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)= 0.5+0.30 L KWH = 0.8 L / Annum(c) • Total energy savings from residential building = 27.39%
20	PARKING	
a.	Parking Requirement as per norms	One car spacing for 1 Total units = 192+10% visitors Parking required is 211 cars Total car Parking required as per NBC= 211 Parking Provided is 215 Ecs which is as Per NBC and MoEF Norms
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Graphite India Main Road -LOS - C
c.	Internal Road width (RoW)	8 m

The proponent and Environmental consultant Sri. B.N Dhanraj (Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed in the village survey map that there is no natural nala within the land proposed for the project, but on the southern side, one nala is observed at a distance of 10 to 15 meters away from this land boundary for which the proponent has stated that he has left 25 meter buffer from the edge of the nala as per the NGT order.

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

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

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

194.14 Proposed Residential Development Projects at Sy.Nos.248/2 (Old No.43/29) of Kambipura Village, Kengeri Hobli, Bengaluru South Taluk, Bangalore Urban District by M/s. Brigade Enterprises Limited (SEIAA 37 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/S. BRIGADE ENTERPRISES LIMITED, 29 th AND 30 th FLOOR, WORLD TRADE CENTER, BRIGADE GATEWAY CAMPUS, 26/1, DR. RAJKUMAR ROAD, MALLESWARAM - RAJAJINAGAR, BENGALURU - 560 055.
2	Name & Location of the Project	Brigade Residential Development Survey No.248/2, Kambipura Village, Kengeri Hobli, Bengaluru South Taluk, Bengaluru (U)
3	Co-ordinates of the Project Site	12°53'8.79"N; 77°27'14.19"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Storm Water Drain located at a distance of about 100m on Western Side

	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	Residential Apartments-336 Dwelling Units
	b.	Residential Township/ Area Development Projects	
6		Plot Area (Sqm)	16,187.44Sq.m (4 Acres)
7		Built Up area (Sqm)	45,324.88 Sq.m.
8		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	1 Building-16 Blocks 1 Basement + Ground Floor + 3 Upper Floors
9		Number of units in case of Construction Projects	336 Dwelling Units
10		Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11		Project Cost (Rs. In Crores)	59 Crores
12		Recreational Area in case of Residential Projects / Townships	Not Applicable
13		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	4,928.15 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	5,341.85 Sq.m
	d.	Internal Roads	4,046.86 Sq.m
	e.	Paved area	1,870.58 Sq.m
	f.	Others Specify	--
	g.	Parks and Open space in case of	

	Residential Township/ Area Development Projects	534.18 (10% of site area - Included in Total Green belt area on Mother Earth)						
h.	Total	16,187.44 Sq.m						
14	Details of demolition debris and / or Excavated earth							
a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	Not Applicable						
b.	Total quantity of Excavated earth (in cubic meter)	38,850 Sq.m						
c.	Quantity of Excavated earth proposed to be used in the Project site (in cubic meter)	38,850 Sq.m						
d.	Excess excavated earth (in cubic meter)	Nil						
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Not Applicable						
15	WATER							
I.	Construction Phase							
a.	Source of water	Treated water from Brigade Project "Brigade Panorama" located at about 100m from the proposed project.						
b.	Quantity of water for Construction in KLD	10KLD						
c.	Quantity of water for Domestic Purpose in KLD	20KLD						
d.	Waste water generation in KLD	17KLD						
e.	Treatment facility proposed and scheme of disposal of treated water	Mobile STP						
II.	Operational Phase							
a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>149KLD</td> </tr> <tr> <td>Recycled</td> <td>76KLD</td> </tr> <tr> <td>Total</td> <td>225KLD</td> </tr> </table>	Fresh	149KLD	Recycled	76KLD	Total	225KLD
Fresh	149KLD							
Recycled	76KLD							
Total	225KLD							
b.	Source of water	Bore well, Rooftop rainwater & Treated Water						
c.	Waste water generation in KLD	203KLD						
d.	STP capacity	210KLD x 1No.						
e.	Technology employed for Treatment	Sequencing Batch Reactor Technology						
f.	Scheme of disposal of excess	Treated water will be used for Toilet Flushing &						

	treated water if any	Landscaping.
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	1 no. of 120 cu.m capacity of Rainwater Harvesting sump to harvest 117 cu.m of Rooftop Rainwater
b.	No's of Ground water recharge pits	19 Nos.
17	Storm Water Management plan	19 Infiltration Wells / Shafts of 0.15m Diameter & 20m Depth are proposed along the internal storm water drain. Quantity of Rooftop Rain water - 141cu.m Storm Water Drain of size 0.6m x 0.6m along the boundary of the project site
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	20kg/day of solid waste shall be disposed through BBMP waste management contractors
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	405kg/day Organic Waste Converter
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	324kg/day Local Authorized Recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	500 kg/ annum Authorized Agencies
d.	Quantity of E waste generation and mode of Disposal as per norms	200 kg/ annum Authorized Agencies
19	POWER	
a.	Total Power Requirement - Operational Phase	3000KVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	500 KVA x 3 Nos.
c.	Details of Fuel used for DG Set	Dual Fuel Mode; Low Sulphur High Speed Diesel (HSD) with Sulphur content less than 50ppm & Compressed Natural Gas (CNG)
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	a. Timer based External Lights b. Solar lighting (Street and Landscape) c. BEE Star rated electromechanical systems shall be used in the development d. Solar Water Heating systems for top 2

		floor e. Use of Copper wound transformer f. Use of HF ballast for lighting g. Use of LED light fittings h. Building Orientation Total Savings - 24.68%
20	PARKING	
a.	Parking Requirement as per norms	351 Nos.
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Mysore Road towards Bidadi - C Mysore Road towards Kengeri - D
c.	Internal Road width (RoW)	6m

The proponent and Environmental consultant Sri. A Anand Kumar (Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed from the village survey map that the survey number 43 consists of vast area out of which the project is in survey number. 248/2 (Old survey No.43/29). As per the boundaries mentioned in the conversion order, this portion of the land wherein the project is proposed is adjacent to survey number 237 and 238 and it is sufficiently away from the natural nalas

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

1. The proponent shall reworkout and submit the water balance chart considering 55 litres/day.
2. The proponent shall submit surface hydrology study report with micro water shed approach
3. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
4. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.

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

194.15 Proposed IT/BT Building Projects at Sy.Nos.90, 93/1, 92/2b5 of Panathur Village, Bangalore South Taluk, Bangalore District by Sri Austin Roach (SEIAA 38 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Austin Roach Owner
2	Name & Location of the Project	Name: IT/BT Building at Location: Sy. No 90, 93/1, 92/2b5, Panathur Village, Varthur Hobli, Bangalore
3	Co-ordinates of the Project Site	A: 12.941999, 77.698838 B: 12.941286, 77.698454 C: 12.941625, 77.700020 D: 12.940987, 77.699872
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Kasavanahalli Lake - 650 mtr Belandur Lake - 2.0 km
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	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	IT/BT Building
c.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)	12039.29 Sq. mtr
7	Built Up area (Sqm)	40039.02 Sq.mtr
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	2BF+1GF+5UF+TF

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)	70 Crores		
12	Recreational Area in case of Residential Projects / Townships	NA		
13	Details of Land Use (Sqm)			
a.	Ground Coverage Area	4334.14 Sq. mtr (36%)		
b.	Kharab Land	--		
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	3972.97 Sqm (33%)		
d.	Internal Roads	--		
e.	Paved area	3732.18 Sqm		
f.	Others Specify	--		
g.	Parks and Open space in case of Residential Township/ Area Development Projects	--		
h.	Total	12039.29 Sq. mtr		
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	<p>About 27 MT of waste construction steel shall be generated during construction phase. This shall be sold to recyclers for rerolling.</p> <p>Waste concrete blocks (4971 Nos.) shall be crushed, powdered & reused for making blocks.</p> <p>A quantity of about 79 MT of construction debris shall be generated during construction phase. This includes waste plaster & cement concrete (52MT & 27 MT each). This shall be reused for making preparatory surface (base layer) for roads & path ways within the premises.</p>		
b.	Total quantity of Excavated earth (in cubic meter)	Sl.no.	Excavated Soil	Quantity
			Total	12,613 cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	01	Backfilling to be done between foundries	6307 cum
d.	Excess excavated earth (in cubic	02	Backfilling to be done	3784 cum

	meter)		on the backside of retaining walls and underground tank	
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	03	Top Soil to be used for Landscaping	2522 cum
15	WATER			
I.	Construction Phase			
a.	Source of water	Tankers		
b.	Quantity of water for Construction in KLD	2.25 KLD		
c.	Quantity of water for Domestic Purpose in KLD	2.25 KLD		
d.	Waste water generation in KLD	2.03 KLD		
e.	Treatment facility proposed and scheme of disposal of treated water	Discharge to existing sewer lines		
II.	Operational Phase			
a.	Total Requirement of Water in KLD	Fresh	60 KLD	
		Recycled	180 KLD	
		Total	240 KLD	
b.	Source of water	BWSSB		
c.	Waste water generation in KLD	216 KLD		
d.	STP capacity	220 KLD		
e.	Technology employed for Treatment	SBR Technology		
f.	Scheme of disposal of excess treated water if any	NA		
16	Infrastructure for Rain water harvesting			
a.	Capacity of sump tank to store Roof run off	40 cu. m		
b.	No's of Ground water recharge pits	8 No's		
17	Storm water management plan	Detailed in EMP		
18	WASTE MANAGEMENT			
I.	Construction Phase			
a.	Quantity of Solid waste generation and mode of Disposal as per norms	<p>About 27 MT of waste construction steel shall be generated during construction phase. This shall be sold to recyclers for rerolling.</p> <p>Waste concrete blocks (4971 Nos.) shall be crushed, powdered & reused for making blocks.</p> <p>A quantity of about 79 MT of construction debris shall be generated during construction phase.</p>		

		This includes waste plaster & cement concrete (52MT & 27 MT each). This shall be reused for making preparatory surface (base layer) for roads & path ways within the premises.		
II.	Operational Phase			
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	800 kg/day		
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	1600 kg/day		
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Hazardous waste of 10 Nos. / annum of oil filters and 2 KL of used oil from 2 Nos. of Generator of 500 KVA; will be generated.		
d.	Quantity of E waste generation and mode of Disposal as per norms	---		
19	POWER			
a.	Total Power Requirement - Operational Phase	800 KW or 1000 KVA.		
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	2 No's - 500 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	NA		
20	PARKING			
a.	Parking Requirement as per norms	486 No's		
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards	Existing traffic (LOS)	Projected for next five after adding generated traffic (LOS)
		Belendur	B	C
		Maruthahalli	C	C
c.	Internal Road width (RoW)			
21	Any other information specific to the project (Specify)	NA		

The Proponent and Environmental consultant Sri. Md. Habibulla (Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed from the village survey map that there is a nala on the western side of the site which is all along the boundary of the two villages. The width of the area left is about 20 to 25 meters. On both sides of which the nala with two lines has been marked and they appear to be secondary nalas with cart track facility. The proponent has stated that he has left 35 meter buffer zone from the edge of the nala. The BBMP authorities and revenue Thasildar have stated that the nala has already been encroached and road has been formed.

As seen from the concept plan, a portion of the buffer zone has been proposed for ground level parking and entry and exit to the project is passing through the buffer zone for which the proponent has agreed to avoid ground level parking in the buffer zone and also to take up entry and exit road in the elevated level leaving the buffer zone undisturbed except by putting up some columns.

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

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

2:30 PM to 5:30 PM

TOR Proposals

194.16 Proposed Commercial Development Projects at Khatha No.11/1-4, Jai Bharath Industries Pipeline Road, Ward No.38 - HMT, Bengaluru District By M/s. Brigade Infrastructure & Power Pvt. Ltd. (SEIAA 27 CON 2018)

Sl. No	PARTICULARS	INFORMATION
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1	Name & Address of the Project Proponent	BRIGADE INFRASTRUCTURE AND POWER PRIVATE LIMITED 29 TH AND 30 TH FLOOR, WORLD TRADE CENTER, BRIGADE GATEWAY CAMPUS, 26/1, DR. RAJKUMAR ROAD, MALLESWARAM - RAJAJINAGAR, BENGALURU - 560 055.
2	Name & Location of the Project	BRIGADE COMMERCIAL DEVELOPMENT, KHATHA NO. 11/1-4, JAI BHARATH INDUSTRIES PIPELINE ROAD, WARD NO. 38 - HMT, BENGALURU.
3	Co-ordinates of the Project Site	LATITUDE: 13° 1'51.59"N LONGITUDE: 77°32'32.90"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Tertiary Nala abuts the project site on the Southern Side
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 abuts the project site on the Southern Side. Buffer of 25m as NGT Direction in O.A 222 of 2014 dated 04.05.2016 will be provided and ensured as a No-Development Zone
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital / other	Office (IT/ITES), Hotel & Retail
b.	Residential Township/ Area Development Projects	
6	Plot Area (Sqm)	52,611Sqm (13 Acres)
7	Built Up area (Sqm)	2,98,940Sqm
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Building 1 - 3 = 3 Basement + Ground Floor + Podium Floor + 27 Upper Floors
9	Number of units in case of Construction Projects	Office Space for IT / ITES, Food Courts, Restaurants, Business Hotel and Convenience Store.



10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	270 Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	15,163.77Sq.m.
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	17,550Sq.m
d.	Internal Roads	13,928.06 Sq.m
e.	Paved area	5,969.17 Sq.m
f.	Others Specify	Nil
g.	Parks and Open space in case of Residential Township/ Area Development Projects	5,265 (10% of site area - Included in Total Green belt area on Mother Earth)
h.	Total	52,611Sq.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	1254cum
b.	Total quantity of Excavated earth (in cubic meter)	1,75,125cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	1,75,125cum
d.	Excess excavated earth (in cubic meter)	Nil
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Not Applicable
15	WATER	
I.	Construction Phase	
a.	Source of water	Treated water from Brigade Project near the

		proposed project.
b.	Quantity of water for Construction in KLD	25KLD
c.	Quantity of water for Domestic Purpose in KLD	20KLD
d.	Waste water generation in KLD	20KLD
e.	Treatment facility proposed and scheme of disposal of treated water	Septic Tank and BWSSB Sewer
II.	Operational Phase	
a.	Total Requirement of Water in KLD	Fresh 492KLD
		Recycled 545KLD
		Total 1037KLD
b.	Source of water	BWSSB, Rooftop rainwater & Treated Water
c.	Waste water generation in KLD	933KLD
d.	STP capacity	450KLDx1No.+520KLDx1No.
e.	Technology employed for Treatment	Sequencing Batch Reactor Technology
f.	Scheme of disposal of excess treated water if any	Treated water will be used for toilet flushing, landscaping & Air-Conditioning.
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	350cum Rooftop Rainwater Harvesting Sump
b.	No's of Ground water recharge pits	54 Nos.
17	Storm Water Management plan,	54 Infiltration Wells / Shafts of 0.15m Diameter & 20m Depth are proposed along the internal storm water drain. Quantity of Run-off Rain water - 680 cu.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	30kg/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	1900kg/day Organic Waste Converter
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	2,313kg/day Local Authorized Recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal	1,500 kg/annum Authorized Agencies

	as per norms	
d.	Quantity of E waste generation and mode of Disposal as per norms	200 kg/ annum Authorized Agencies
19	POWER	
a.	Total Power Requirement - Operational Phase	18MVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	2500 KVA x 8 Nos
c.	Details of Fuel used for DG Set	Dual Fuel Mode; Low Sulphur High Speed Diesel (HSD) with Sulphur content less than 50ppm & Compressed Natural Gas (CNG)
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	<ul style="list-style-type: none"> i. Timer based External Lights j. Solar lighting (Street and Landscape) k. BEE Star rated electromechanical systems shall be used in the development l. Solar Water Heating systems for top 2 floors m. Use of Copper wound transformer n. Use of HF ballast for lighting o. Use of LED light fittings p. Building Orientation; Cross Ventilation;
20	PARKING	
a.	Parking Requirement as per norms	4200 Nos.
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	To Carry out study during EIA
c.	Internal Road width (RoW)	8.0m

The Proponent and Environmental consultant Sri. Anand Kumar .A(Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

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

- 1) Details of existing tree species, number of trees to be felled and list of trees proposed to be planted.
- 2) The carbon foot print from the construction activity and operation phase to be worked out and suitable offsets to be suggested.
- 3) ECBC 2009 norms and simulation to be considered while designing building and choice of building materials.
- 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 design for development of greenery/green belt 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.

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

194.17 Proposed Commercial Office Development Project at Sy.Nos. 23/1B, 23/2, 24/1C, 24/2B, 25/2, 26/2, Bandapura Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru District by M/s. Sattva Realtors Pvt. Ltd. (SEIAA 32 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Sattva Realtors Private Limited 4 th Floor, Salarpuria Windsor, No.3, Ulsoor Road, Bengaluru - 560 042.
2	Name & Location of the Project	Commercial Office Development At Sy. Nos. 23/1B, 23/2, 24/1C, 24/2B, 25/2, 26/2, Bandapura Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru.
3	Co-ordinates of the Project Site	Latitude: 13°02'20.41"N Longitude: 77°44'33.54"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Bandapura Lake - 300 m from the project site in the North West direction. Bidare Agrahara Lake - 600 m from the project site in the South East direction.

		Yelamma Chetty Lake - 1.5km from the project site in the West direction.
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	Commercial Office Development
b.	Residential Township/ Area Development Projects	Area Development project
6	Plot Area (Sqm)	41,989.83 Sqmt (10 Acres 15.04 Guntas)
7	Built Up area (Sqm)	Existing Building: 17,993.60 Sqmt Proposed Building: 1,90,434.77 Sqmt Total Built up Area: 2, 08,428.37 Sqmt
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Existing Building: B+G+1UF <u>Proposed Building:</u> Podium Block: B+G+6UF Commercial Block: B+G+17UF
9	Number of units in case of Construction Projects	No; The project is a Commercial Office Development
10	Number of Plots in case of Residential Township/ Area Development Projects	The project is a Commercial Office Development
11	Project Cost (Rs. In Crores)	Rs. 479.27 Crores
12	Recreational Area in case of Residential Projects / Townships	No
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	18,240.40 Sqmt
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	15,495.88 Sqmt
d.	Internal Roads	6,262 Sqmt
e.	Paved area	--
f.	Others Specify	Service Area - 890 Sqmt Area Reserved for Road Widening - 494.53 Sqmt Area for Toll Plaza - 607.02 Sqmt
g.	Parks and Open space in case of Residential Township/ Area	Included in the landscape area (15,495.88 Sqmt)

		Development Projects	
	h.	Total	41,989.83 Sqmt
14	Details of demolition debris and /or Excavated earth		
	a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	No
	b.	Total quantity of Excavated earth (in cubic meter)	83,000 Cum
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	83,000 Cum
	d.	Excess excavated earth (in cubic meter)	Nil
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	NA
15	WATER		
	I.	Construction Phase	
	a.	Source of water	Labour camp mobile STP Treated Water for construction purpose and External authorized tanker for domestic purpose.
	b.	Quantity of water for Construction in KLD	53.0 KLD
	c.	Quantity of water for Domestic Purpose in KLD	110.0 KLD
	d.	Waste water generation in KLD	From Construction Site : 19 KLD From Labour Camp : 85 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	The total sewage generated from construction site & labour camp is 104 KLD which will be treated in a mobile STP of capacity 105 KLD; Treated sewage will be re-used for Dust Suppression, Gardening & Construction purpose.
	II.	Operational Phase	
	a.	Total Requirement of Water in KLD	Fresh 370 KLD Recycled 296 KLD Total 666 KLD
	b.	Source of water	Doddabanahalli Grama Panchayat
	c.	Waste water generation in KLD	599 KLD
	d.	STP capacity	560 KLD & 50 KLD
	e.	Technology employed for	Sequential Batch Reactor Technology

		Treatment	
	f.	Scheme of disposal of excess treated water if any	For Flushing - 296 KLD For Landscaping - 124 KLD HVAC - 149 KLD
16	Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	355 Cum
	b.	No's of Ground water recharge pits	10 Nos. of Recharge Wells
17	Storm water management plan		Yes
18	WASTE MANAGEMENT		
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	195 kg/Day from Construction Site & 225 kg/Day from Labour Camp. Solid waste generated from the labour camp and construction site will be collected manually and handed over to BBMP authorized recyclers.
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	0.7 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	3.0 MT/Day. Non-biodegradable Wastes will be given to the waste recyclers.
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil Generation: 7.78 l/hr. Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.
	d.	Quantity of E waste generation and mode of Disposal as per norms	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.
19	POWER		
	a.	Total Power Requirement - Operational Phase	For Existing Building: 1,120 kW For Proposed Building: 6,979 kW
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	For Existing Building: 750 kVA X 3 Nos. For Proposed Building: 2,000 kVA X 6 Nos., 1000 kVA X 1 No. & 750 kVA X 1 No.
	c.	Details of Fuel used for DG Set	3,352.5 l/hr
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Solar lighting HF ballast Cu wound transformer PHE pumps LED Water Cooled Chillers Energy Savings: 28%
20	PARKING		

a.	Parking Requirement as per norms	Required 2,392 Nos.	Provided 2,392 Nos.
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Traffic study will be carried during EIA study.	
c.	Internal Road width (RoW)	8.0m	

The Proponent and Environmental consultant Sri. B.N Sanjay Kumar (Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

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

- 1) ECBC 2009 norms and simulation to be considered while designing building and choice of building materials.
- 2) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
- 3) Utilization of the entire terrace for solar power generation may be worked out and submitted.
- 4) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
- 5) Rain water harvesting/storage details may be worked out.
- 6) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
- 7) To submit the Details of trees to be felled and design for development of greenery/green belt with the number and kind of tree species as per the norms.
- 8) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.

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

194.18 Proposed expansion of Limestone & Dolomite Mine Project at Sy.No.95 of Yendigeri Village, Badami Taluk, Bagalkot District (4.86 Ha). by M/s. Sessa Sai Limestone (SEIAA 10 MIN 2018)

1	Name & address of the Project proponent	M/s. Sesha Sai Limestone Sy. No. 63/1, Muddapur Village, Mudhol Tq., Dist.: Bagalkot, State: Karnataka, Pin code: 587 313.
2	Name & Location of the Project	Yendigeri Limestone and Dolomite Mine (ML. No. 2523) Yendigeri Village
3	Co-ordinates of the Project Site	Latitude : 16° 08' 09.87695" to 16° 08' 19.23167" N Longitude: 75° 27' 08.94265" to 75° 27' 15.23608" E
4	Type of Mineral	Limestone
5	New/Expansion/Modification/ Renewal	Expansion
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Private Patta Land
7	Whether the project site fall within ESZ/ESA	Not applicable
8	Area in Ha	4.86 Ha.
9	Actual Depth of sand in the lease area in case of River sand	Not applicable
10	Depth of Sand proposed to be removed in case of River sand	Not applicable
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	Not applicable
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	Two mining pits are formed from actual mining. P1-150m length, 70m width and 8m depth. P2- 50m length, 50m width and 4m depth.
13	Annual Production Proposed (Metric Tons/CUM)/Annum	2,00,000 tonnes per annum
14	Quantity of Topsoil/Overburden in cubic meter	-- Nil --
15	Mineral Waste Handled (Metric Tons/CUM)/Annum	17,778 tonnes per annum
16	Project Cost (Rs.In Crores)	78 lakhs
17	Environmental Sensitivity	
	a. Nearest Forest	Reserve Forest at 2.2 kms
	b. Nearest Human Habitation	Hanumaneri at 0.60 kms

	c.	Education Institutes, Hospital	Lokapur at 10.0 kms		
	d.	Water Bodies	Ghataprabha River at 10 kms		
	e.	Other Specify			
18	Applicability of General Condition of the EIA Notification, 2006				
19	Details of Land Use in Ha		Existing (Ha.)	Proposed scheme period (Ha.)	Conceptual period (Ha.)
	a.	Area for Mining/Quarrying	1.6200	2.8000	4.1600
	b.	Waste Dumping Area	--	0.6000	---
	c.	Top Soil Storage Area	--	--	--
	d.	Mineral Storage Area	--	--	--
	e.	Infrastructure Area	0.0400	0.0400	--
	f.	Road Area	0.0200	0.0200	--
	g.	Green Belt Area	0.7000	0.7000	0.7000
	h.	Unexplored Area	2.4800	0.7000	--
	i.	Other Specify	--	--	--
	Total		4.8600	4.8600	4.8600
20	Method of Mining/Quarrying		Other than Fully Mechanized method (OTFM)		
21	Rate of Replenishment in case River sand project		Not applicable		
22	Water requirement				
	a.	Source of water	Supplied through Water tankers from nearby villages		
	b.	Total Requirement of Water in KLD	Dust suppression	7.00 KLD	
			Domestic	0.50 KLD	
			Other	2.00 KLD	
			Total	9.50 KLD	
			In addition, 500 liters of potable water will be supplied for drinking purpose to mine staff.		
23	Storm water management plan		Not applicable		

The Proponent and NABET accredited Environmental consultancy M/s Sri Sai Manasa Nature Tech (P) Ltd., Hyderabad attended the meeting to provide required clarification/additional information.

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

Originally the project was appraised and EC was issued during the year 2009 for 60,000 TPA with a condition that the EC is valid for five years. As per this the EC has expired in the year 2014 itself. In the meantime MoEF has issued an OM Dated:4-1-2013 stating that there is no need for prior environmental clearance for the mining projects of major minerals of lease area less than 5 hectares. The proponent has continued mining beyond the year 2014 till November 2015 without getting the

EC renewed, but obtaining CFO from KSPCB. The mining activity is not being carried out at present from November 2015. Now the proposal is for expansion from 60,000 TPA to 2,00,000 TPA.

The committee while reviewing the compliance to the EC conditions noted that the EC conditions No.7,18,19,20,22 & 23 are not complied satisfactorily. Hence the committee decided to defer the appraisal till the above mentioned Environmental Clearance conditions are complied with.

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

194.19 Proposed Environment Clearance for mining of Limestone & Dolomite Mine Project at Sy.No.96(P) of Yendigeri Village, Badami Taluk, Bagalkot District (2.833 Ha). by M/s. Sessa Sai Mineral Enterprises (SEIAA 11 MIN 2018)

1	Name & address of the Project proponent	M/s. Sessa Sai Mineral Enterprises, Sy. No. 63/1, Muddapur Village, Mudhool Taluk, Bagalkot (District), Karnataka -587122.
2	Name & Location of the Project	Yendigeri Limestone & Dolomite Mine, (M.L.No. 2430), Yendigeri Village
3	Co-ordinates of the Project Site	Latitude : 16° 08' 10.51747" to 16° 08' 19.58591" N Longitude: 75° 27' 01.80843" to 75° 27' 8.36594" E
4	Type of Mineral	Limestone & Dolomite
5	New/Expansion/Modification/Renewal	Extension of validity of Environmental Clearance
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Private Patta Land
7	Whether the project site fall within ESZ/ESA	Not applicable
8	Area in Ha	2.833 Ha.
9	Actual Depth of sand in the lease area in case of River sand	Not applicable
10	Depth of Sand proposed to be removed in case of River sand	Not applicable
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	Not applicable
12	Measurements of the existing quarry pits in case of ongoing/expansion/	There are two existing Mining pits the details are given below: 1. Northern side Pit:- 45m length, 30m width

	modification of mining proposals other than river sand	and 3m depth 2. Southern Side Pit:- 165m length, 60m width and 7m depth.
13	Annual Production Proposed (Metric Tons/CUM)/Annum	60,000 tonnes of limestone per annum
14	Quantity of Topsoil/Overburden in cubic meter	-- Nil --
15	Mineral Waste Handled (Metric Tons/CUM)/Annum	2,526 tonnes per annum
16	Project Cost (Rs.In Crores)	62 lakhs

The Proponent and NABET accredited Environmental consultancy M/s Sri Sai Manasa Nature Tech (P) Ltd Hyderabad attended the meeting to provide required clarification/additional information.

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

Originally the project was appraised and EC was issued during the year 2009 for 60,000 TPA with a condition that the EC is valid for five years. As per this the EC has expired in the year 2014 itself. In the meantime MoEF has issued an OM Dated:4-1-2013 stating that there is no need for prior environmental clearance for the mining projects of major minerals of lease area less than 5 hectares. The proponent has continued mining beyond the year 2014 till November 2015 without getting the EC renewed, but obtaining CFO from KSPCB. The mining activity is not being carried out at present from November 2015. Now the proposal is for expansion from 60,000 TPA to 2,00,000 TPA.

The committee while reviewing the compliance to the EC conditions noted that the EC conditions No.7,18,19,20,22 & 23 are not complied satisfactorily. Hence the committee decided to defer the appraisal till the above mentioned Environmental clearance conditions are complied with.

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

194.20 Proposed Limestone & Dolomite Mine Project at Sy.Nos.90, 95 & 96(P) of Yendigeri Village, Badami Taluk, Bagalkot District (4.05 Ha). by Smt. Shashikala R. Salimath (SEIAA 12 MIN 2018)

1	Name & address of the Project proponent	Smt. Shashikala R. Salimath Legal heir of late Shri. R. V. Salimath Sy. No. 63/1, Muddapur Village, Mudhol Taluk, Bagalkot (District), Karnataka -587122.
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2	Name & Location of the Project	Yendigeri Limestone & Dolomite Mine, (M.L.No. 2444), Vendigeri Village
3	Co-ordinates of the Project Site	Latitude : N 16° 08' 06.44474" to N 16° 08' 19.39101" Longitude: E 75° 27' 04.78583" to E 75° 27' 10.47666"
4	Type of Mineral	Limestone & Dolomite
5	New/Expansion/Modification/Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Private Patta Land
7	Whether the project site fall within ESZ/ESA	Not applicable
8	Area in Ha	4.05 Ha.
9	Actual Depth of sand in the lease area in case of River sand	Not applicable
10	Depth of Sand proposed to be removed in case of River sand	Not applicable
11	Rate of replenishment in case of river sand mining as specified in the sustainable sand mining guideline 2016	Not applicable
12	Measurements of the existing quarry pits in case of ongoing/expansion/modification of mining proposals other than river sand	There is only one mining pit, the pit dimensions are 40m length, 20m width and 3m depth
13	Annual Production Proposed (Metric Tons/CUM)/Annum	60,000 tonnes per annum
14	Quantity of Topsoil/Overburden in cubic meter	10262 tonnes during the plan period
15	Mineral Waste Handled (Metric Tons/CUM)/Annum	5333 tonnes per annum
16	Project Cost (Rs.In Crores)	46 lakhs

The proponent and NABET accredited Environmental consultancy M/s Sri Sai Manasa Nature Tech (P) Ltd Hyderabad attended the meeting to provide required clarification/additional information.

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

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

Additional TORs:

- 1) Combined sketch of three adjacent mining leases may be prepared and submitted.
- 2) Exploration details carried out in the lease area upto G1 levels may be furnished.
- 3) Mitigation measures for protecting nearby nala should be detailed and submitted.
- 4) Mitigation measures to protect the surrounding agricultural lands and crops may be detailed and submitted.
- 5) The required buffer zone from the adjacent village road to be detailed and submitted.
- 6) Analysis of the subgrade waste material accompanied with lab reports to be submitted.

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

Reconsideration Subjects:

194.21 Proposed construction of Commercial complex at Municipal No.1107, PID No.47-05-1107, Sree Dharmarayaswamy Temple Road, Bangalore by M/s BUX Ranka Developers(P) Ltd (SEIAA 01 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr.Haresh U Buxani Director M/s, BUX RANKA DEVELOPERS(P) LTD 3 rd Floor, Ranka Chambers, 31, Cunningham Road, Bangalore-560052.
2	Name & Location of the Project	Proposed Commercial Complex at Municipal No:1107,PID NO.47-05-1107 Sree Dharmarayaswamy Temple Road Bangalore
3	Co-ordinates of the Project Site	12°57'58.04"N 77°35'11.15"E
4	Environmental Sensitivity	No Environmental Sensitivity

	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluvé, 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		Commercial Complex (Office Building, Retail, Restaurant)
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Office Building(Office Building, Retail, Restaurant)
	b.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)		7230.14 Sqm
7	Built Up area (Sqm)		40405.86 Sqm
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]		2B+G+18UF
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)		150
12	Recreational Area in case of Residential Projects / Townships		NA
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	1938.39 (28.61%)
	b.	Kharab Land	NA
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1446.02 (20.0%)
	d.	Internal Roads	8 mts Width
	e.	Paved area	3845.73 (51.39 %)
	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	Old building Demolition debris is around 1000 cum is

		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	disposed to our site only for levelling and we not disturb the any natural nala or stream. The bricks and wood material is used for construction of security shed and compound wall
	b.	Total quantity of Excavated earth (in cubic meter)	30000
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	For back filling =10000 For Land scape= 5000 For Internal Road making =10000 The Reaming earth is stored in our own site
	d.	Excess excavated earth (in cubic meter)	5000
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	We stored the excess earth for our future development in our own site
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	5 KLD
	d.	Waste water generation in KLD	4 KLD
	II.	Operational Phase	
	a.	Total Requirement of Water in KLD	Fresh 55 Recycled 65 Total 120
	b.	Source of water	BWSSB
	c.	Waste water generation in KLD	115
	d.	STP capacity	120
	e.	Technology employed for Treatment	SBR
	f.	Scheme of disposal of excess treated water if any	Zero Discharge
16	Infrastructure for Rain water harvesting		
	a.	Capacity of sump tank to store Roof run off	50
	b.	No's of Ground water recharge pits	8
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	Given to BBMP authorities
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as	612 kg/day converted in to organic manur and used for garden

		per norms	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	409 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	500 Kg/ year given to PCB authorized recycler
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	
19	POWER		
	a.	Total Power Requirement - Operational Phase	2000 kva
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1000 kva x 2nos and 500 KVA X 3 Nos
	c.	Details of Fuel used for DG Set	Low Sulphuric diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	18% we are achieved
20	PARKING		
	a.	Parking Requirement as per norms	470
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	F
	c.	Internal Road width (RoW)	8 mts

The proponent and Environmental Consultant Sri. Dodda Mudde Gowda (Obtained stay from Hon'ble High court of Karnataka) attended the 191st meeting held on 16th and 17th January 2018 to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application Form 1, 1A, conceptual plan and additional information provided during the meeting. The committee while appraising the proposal observed that the project is proposed in the land area wherein the "Badami House" was existing, part of which is now demolished. The proponent has stated that this building is not notified as Heritage building. The proponent has also stated that the original village survey map for this area is not available and also no water bodies in the form of natural nala or lakes are existing in the vicinity of site.

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

- 1) Online air monitoring stations to be installed with electronic display and the details to be fed into KSPCB online grid.

- 2) Earth generated has to be reworked and submitted taking into consideration the level difference within the site.

The proponent has submitted the replies vide letter Dated:21-2-2018.

The committee perused the replies submitted by the proponent and accepted the same. As far as the traffic congestion is concerned the proponent has stated that there is a proposal to construct a elevated road(Steel bridge) all along the J.C Road which substantially reduces the congestion on the existing road.

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

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

194.22 Proposed Office Building Project at Sy.Nos.55/3 & 55/4 of Devarabeesanahalli Village, Varthur Hobali, Hobali, Bangalore East Taluk, Bangalore District By Mr. B.P. Jayaram Reddy (SEIAA 138 CON 2017)

1.	Name & Address of the project		Proposed Office Building Project at Sy.Nos.55/3 & 55/4 of Devarabeesanahalli Village, Varthur Hobali, Hobali, Bangalore East Taluk, Bangalore District By Mr. B.P. Jayaram Reddy
2.	Plot Area		9206.52 Sqm
3.	Total Built-up area		43285.80Sqm
4.	Building Configuration and Number of Units		Tower A:-3B+G+12UF
5.	Height of the building		44.95 mts
6.	Land use as per CDP		
7.	Land use details	Ground coverage area	2287.89 sqm
		Landscape	3290.42 sqm
8.	Car Parking		576 Nos.
9.	Source of Power		
	Power	Construction Phase	100 KVAX1 DG set

	requirement	Operational Phase	BESCOM-3500KVA		
10.	Backup DG sets		750KVA X 3 Nos.		
11.	Energy savings		20.21 %		
12.	Source of water	Construction Phase	Treated water from BWSSB		
13.		Operational Phase	BWSSB		
14.	Total water requirement	Construction Phase	54.5 KLD for construction and Domestic		
15.		Operational Phase	150 KLD		
16.	Wastewater generation in KLD		135 KLD		
17.	STP capacity in KLD & technology		150 KLD		
18.	Rain water harvesting implementation, Recharge pits, Storage capacity		Rain harvesting sum- 50 Cum		
19.	Traffic : nearest road - LOS - Existing & modification		Towards	Existing traffic (LOS)	Projected for next three years after adding generated traffic (LOS)
			Marathahalli	C	C or D
			Silk Board	C	D
			Approach road (service road)	B or C	C
20.	Solid waste disposal details		612 Kg/day biodegradable waste will be processed in organic waste converter & 408 kg/day non biodegradable waste to be given to the waste recyclers.		
21.	Cost of the Project		80 crores		

The proponent and Environmental Consultant attended the 190th meeting of SEAC held on 29th and 30th December 2017 to provide required clarification/additional information.

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

The committee while appraising the proposal observed that in the village survey map there are nalas both on the northern and the southern side of the site. On the southern side the proponent has left buffer to a width of 35 meters, whereas on the northern side he has stated that the road has already been constructed on the nala. However he has left 25 meters buffer including the existing road width. The connecting road passes on the 35 meter buffer zone for which the proponent has agreed to lay this road on the elevated level leaving buffer zone undisturbed except for putting up some columns. Similarly on the northern side also the connecting road passes through the 25

meter buffer zone for which the proponent has agreed to lay the road at the elevated level leaving the buffer undisturbed except for putting up some columns. Also there are portions of fire driveway which are running on the buffer zone for which also the proponent has agreed to lay the fire drive way at the elevated level leaving the buffer zone undisturbed except for putting up some columns. Keeping this in view the proponent has agreed to revise the earthwork management plan since the earth work production gets reduced by 30% because of the elevated connecting road connects the building at Ground-1Basement. The proponent agreed to increase the capacity of rainwater storage tank from 50 cum to 100 cum. No surface hydrological study has been carried out for which the proponent has agreed to conduct the same and submit the details.

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

- 1) To submit the details of earthwork management within the project area.
- 2) To study and submit the surface hydrology.

The proponent has submitted the replies vide letter Dated:15-2-2018.

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

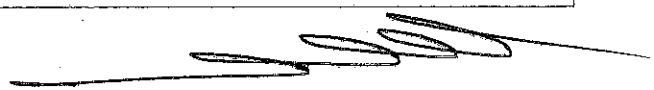
The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

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

194.23 Proposed construction of Apartment at Sy No.15/2, Kada Agrahara village, Sarjapura Hobli, Anekal Taluk, Bangalore District By M/s Bavisha Homes Pvt Ltd., (SEIAA 09 CON 2018)

Sl. No	PARTICULARS	INFORMATION
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1	Name & Address of the Project Proponent	PRASAD NAIDU.S #15, VINAN ARENA, No. 38/1, 1 ST Floor, Opp H P Petrol Bunk, Sompura Village, Bangalore 562125.
2	Name & Location of the Project	BAVISHA HOMES PVT LTD Sy No15/2, Kada Agrahara village, Sarjapura Hobli, Anekal Taluk, Bangalore Rural District.
3	Co-ordinates of the Project Site	12° 51' 33.65" N & 77° 45' 56.30" E (NE) 12° 51' 31.04" N & 77° 45' 54.25" E (center)
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 lake edge is as under West line to lake edge - 212mts NW point to lake edge - 142.55mts SW point to lake edge - 230.00mts
	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. The closest water body is the Kada Agrahara lake towards the western side and the buffer distance as per MGT orders is 75mts and we have provided more than the required buffer distance
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)	9408.94
7	Built Up area (Sq.M)	24196
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	STILT + GROUND+3 UPPER FLOORS
9	Number of units in case of Construction Projects	268
10	Number of Plots in case of Residential Township / Area Development Projects	NA

11	Project Cost (Rs. In Crores)	26.61
12	Recreational Area in case of Residential Projects / Townships	282.36
13	Details of Land Use (Sq.M)	
a.	Ground Coverage Area	5101
b.	Kharab Land	NA
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	3104.95
d.	Internal Roads	920.63
e.	Paved area	NA
f.	Others Specify	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
h.	Total	9408.94 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)	22630
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	22630 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 a) BACKFILLING - 16300 cum b) Road developments- 730 cum c) Greenery top soil used 5600 cum
15	WATER	
I.	Construction Phase	
a.	Source of water	M O U Submitted
b.	Quantity of water for Construction in KLD	About 10 to 12
c.	Quantity of water for Domestic Purpose in KLD	5

	d.	Waste water generation in KLD	2.5 kl
	e.	Treatment facility proposed and scheme of disposal of treated water	2 no.s of Septic tanks of 5kl each alt cleaned by mechanical means
	II.	Operational Phase	
	a.	Total Requirement of Water in KLD	Fresh 87.1
			Recycled 93.9
			Total 181
	b.	Source of water	Yemere Gramma Panchayath water supply scheme, N O C letter enclosed
	c.	Waste water generation in KLD	145
	d.	STP capacity	150
	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 UG Sumps of 0.05ML 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	10 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 4.5 tons sold to recyclers 2.Concrete spill and debris used as road fill consolidation 3.Plywood shuttering and centring material about 250 Kgs will be given away to Brick kilns 4. Waste mineral oils, lubricants about 200 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 2tons will be given away to KSPCB approved recyclers
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal	361.8 Kgs processed in the organic waste converters to generate manure

		as per norms	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	241.2Kgs disposed to the Municipal approved garbage clearing contractors
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	About 750lts, Disposed to KSCPb approved recyclers
	d.	Quantity of E waste generation and mode of Disposal as per norms	33.5 Kgs will be stored and disposed to authorized recyclers from KSPCB
19	POWER		
	a.	Total Power Requirement - Operational Phase	1300 KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 No. X 500KVA, 1 No. X 200 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	18%
20	PARKING		
	a.	Parking Requirement as per norms	268 , provided- 288
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	"A"
	c.	Internal Road width (RoW)	9.28mts

The proponent and Environmental Consultant M/s Mahesh & Dev (Obtained stay from Hon'ble High Court of Karnataka) attended the 191st meeting held on 16th and 17th January 2018 to provide required clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application Form 1, IA, conceptual plan and additional information provided during the meeting. The committee noted that as per the village survey map there is no water body in the form of natural nala or lake on the survey number 15/2.

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



- 1) To conduct and submit surface hydrological studies details.
- 2) To submit layout plan of solar panels over the roof area
- 3) To submit calculation back-up for energy savings.
- 4) To submit the details of assessment of ground water availability and impact on competitive users.
- 5) To carry out studies carrying capacity of existing nala.
- 6) The per capita of water consumption to be considered as 55 LPCD instead of 135 LPCD as the, source of water is from gram panchayath and the details to be submitted accordingly.
- 7) The sump capacity for the roof rainwater harvesting to be doubled.

The proponent has submitted the replies vide letter Dated:16-2-2018.

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 subject to the following conditions:

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

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

194.24 Development of Residential Apartment project at Khatha No. 1096, Sy. No. 129/1, 129/2, 129/4 & 129/6, Hosakerehalli Village, Uttarahalli Hobli, Bengaluru South Taluk, Bengaluru of M/s. Elegant Builders & Developers, #63, Sun Grace, 1st Main, 6th Cross, KPA Block, Chandra Layout, Vijayanagar, Bengaluru -560 040. (SEIAA 79 CON 2017)

Sl. No.	PARTICULARS	INFORMATION
1.	Name & Address of the Project Proponent	Mr. S. Rajesh, Partner, M/s. Elegant Builders & Developers, #63, Sun Grace, 1st Main, 6th Cross, KPA Block, Chandra Layout, Vijayanagar, Bengaluru -560 040.
2.	Name & Location of the Project	Development of Residential Apartment Khatha No. 1096, Sy. No. 129/1, 129/2, 129/4 & 129/6, Hosakerehalli Village, Uttarahalli Hobli,

		Bengaluru South Taluk, Bengaluru
3.	Co-ordinates of the Project Site	Latitude : 12 Deg 55 Min 47.72 Sec N Longitude : 77 Deg 31 Min 35.26 Sec E
4.	ENVIRONMENTAL SENSITIVITY	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.) Hosakerehalli lake is at distance of about 630m 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. There are no water bodies /nala in the vicinity of the project site
5.	TYPE OF DEVELOPMENT	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other Residential Apartment
	b.	Residential Township/ Area Development Projects NA
6.	Plot Area (Sqm)	7,078.20 Sqm (1A 29.96G)
7.	Built Up area (Sqm)	27,413.43 Sqm
8.	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Proposed project is coming up with 130 No. of residential units in Block A & Block B distributed over 2B+G+9UF & B+G+9UF respectively.
9.	Number of units in case of Construction Projects	130 Nos. of Residential Units
10.	Number of Plots in case of Residential Township/ Area Development Projects	NA
11.	Project Cost (Rs. In Crores)	Rs. 30 Crores
12.	Recreational Area in case of Residential Projects / Townships	707.55 Sqm
13.	DETAILS OF LAND USE (SQM)	
	a.	Ground Coverage Area 1,932.07 Sqm
	b.	Kharab Land -
	c.	Total Green belt on Mother Earth 2,342.41 Sqm

	for projects under 8(a) of the schedule of the EIA notification, 2006	
d.	Internal Roads	2,803.72
e.	Paved area	-
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
h.	Total	7,078.20 Sqm
14.	DETAILS OF DEMOLITION DEBRIS AND / OR EXCAVATED EARTH	
a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	There is no demolition work
b.	Total quantity of Excavated earth (in cubic meter)	11,592.42 m ³
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	11,592.42 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	Excavated earth will be managed within the project site
15.	WATER	
I.	Construction Phase	
a.	Source of water	Proposed to be source tertiary treated water from BWSSB STP
b.	Quantity of water for Construction in KLD	13 KLD
c.	Quantity of water for Domestic Purpose in KLD	4.5 KLD
d.	Waste water generation in KLD	4.3 KLD
e.	Treatment facility proposed and scheme of disposal of treated water	Domestic sewage generated during construction phase will be discharged to UGD
II.	Operational Phase	
a.	Total Requirement of Water in KLD	Fresh 59 KLD
		Recycled 29 KLD
		Total 88 KLD

b.	Source of water	BWSSB
c.	Waste water generation in KLD	84 KLD
d.	STP capacity	85 KLD
e.	Technology employed for Treatment	Sequential Batch Reactor (SBR) Technology
f.	Scheme of disposal of excess treated water if any	Excess 34 KLD will be discharged to existing UGD.
16.	INFRASTRUCTURE FOR RAINWATER HARVESTING	
a.	Capacity of sump tank to store Roof run off	75 cum
b.	No's of Ground water recharge pits	22 Nos.
17.	Storm water management plan	Internal garland drains will be provided within the site in order to carry out the storm water in to the recharge pits and will be managed within the site, excess runoff will be discharged in to the external storm water drain.
18.	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	The domestic solid wastes will be minimal as there is no provision of labor colony; the generated domestic solid waste will be handed over to BBMP. Construction debris -27m ³ This will be reused within the site for road and pavement formation
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	195 kg/day This will be segregated at household levels and will be processed in proposed organic waste converter.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	130 kg/day Recyclable wastes will be handed over to authorized waste recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil Generation : 0.243l/ running hour of DG Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.
d.	Quantity of E waste generation and mode of Disposal as per norms	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.
19.	POWER	
a.	Total Power Requirement - Operational Phase	846 kW

b.	Numbers of DG set and capacity in KVA for Standby Power Supply	250kVA - 2 Nos.
c.	Details of Fuel used for DG Set	104.76 L/hr
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	The overall energy savings is around 25%
20.	PARKING	
a.	Parking Requirement as per norms	143 Nos.
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Mysore Road "B"
c.	Internal Road width (RoW)	15.23 (ROW)

The proponent was invited to the 187th SEAC meeting to provide required clarification/information. The proponent remained absent and submitted a letter dated:20-11-2017 requesting to provide an opportunity to present the proposal in the subsequent meeting.

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

The proponent was invited to 191st SEAC Meeting held on 16th and 17th January 2018 to provide required information/clarification on the project. The proponent and environmental consultant Sri B.N Manjunath attended the meeting to provide required information/additional information.

The committee noted that in the village survey map it appears that there is a tertiary nala running across the project area. As per the present condition of the site the proponent has stated that there is no nala existing and all the surrounding areas are developed. The committee observed that in the copy of the note sheet provided by the proponent during the meeting, the Chief Engineer, SWD, BBMP has noted that the nala reflected in the village survey map is just a raincut furrow. Taking this into consideration the planning authority of the area i.e., BBMP has also processed the application for sanction of building plan and demand notice to pay necessary charges has also been raised and communicated to the proponent. The committee felt that the issue of nala needs further clarifications from the BBMP and Revenue authorities.

The committee after discussion, decided to reconsider the proposal after getting required clarification from the concerned authorities to claim that there is no presence of nala in the project site.

The proponent has submitted the replies vide letter dated:16-2-2018.

The committee perused the replies submitted by the proponent. Though as per the village map it appears that there is a tertiary nala in the proposed site which needs a buffer as per the NGT order, in view of the opinion of the Chief Engineer, SWD, BBMP, the committee decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

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

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

194.25 Proposed construction of "NORTHERNSKY PALM STREAK" Residential Apartment Project at Sy.Nos.37, 38-2AP3, 38-2AP2, 38-2AP1, 38-2B(P1), 39-2A2, 39-2A1, 38/2B(P), 38/2BP3, 38/2BP1, 38/2BP2, 36P2, 34/1AP3, 35, 38/1, 39/1 of Kodialbail Village, Mangalore Taluk, Dakshina Kannada District By M/s. SPACE (SEIAA 149 CON 2017)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Joachim Louis Pinto Managing Partner M/s SPACE, #15-3-137/3, Raintree, Near SCS Hospital, Bendore, Kankanady Post, Mangalore - 575 002, Karnataka.
2	Name & Location of the Project	"Northernsky Palm Streak", at Survey No.s 37, 38-2AP3, 38-2AP2, 38-2AP1, 38-2B (P1), 39-2A2, 39-2A1, 38/2B (P), 38/2BP3, 38/2BP1, 38/2BP2, 36 P2, 34/1AP3, 35, 38/1, 39/1, Kodialbail Village, Mangalore District, Karnataka.
3	Co-ordinates of the Project Site	Latitude: 12° 53' 01.34" N Longitude: 74° 50' 40.26" E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.)	Water Bodies (Aerial distance): Arabian sea 5 KM left to 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.	-
5	Type of Development	
a.	New/Expansion/Modification	New project
b.	Residential Apartment / Villas / Row Houses /	Residential Apartment Project

	Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	
c.	Residential Township/ Area Development Projects	-
6	Plot Area (Sq.m)	4,445.92 sq m (1.09 Acres)
7	Built Up area (Sq.m)	25,105.86 sq m
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	3B + G + 14 UF
9	Number of units in case of Construction Projects	132 flats
10	Number of Plots in case of Residential Township/ Area Development Projects	-
11	Project Cost (Rs. In Crores)	Rs. 46,00,00,000/- (Rupees Forty Six Crores Only)
12	Recreational Area in case of Residential Projects / Townships	-
13	Details of Land Use (Sq.m)	
a.	Ground Coverage Area	1217.73 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	1467.15 sq m
d.	Internal Roads	-
e.	Paved area	1761.02 sq m
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
h.	Total	4,445.92 sq m
14	Details of demolition debris and / or Excavated earth	
a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	100 cum will be used for preparation of sub grades for Roads and pathways.
b.	Total quantity of Excavated earth (in cubic meter)	The total quantity of excavated soil is about 15,000 cum.
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	About 1,500 cum will be used for landscape development, about 3,500 cum will be used for backfilling, about 2,000 cum will be used for paved area with in the project site and about 1,000 cum will be used for soil cement preparation for compound wall construction.
d.	Excess excavated earth (in cubic meter)	7,000 cum
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	The excess quantity of excavated soil will be disposed at pre-identified site.
15	WATER	
I.	Construction Phase	
a.	Source of water	Mangalore City Corporation
b.	Quantity of water for Construction in KLD	10 to 15 KLD

	c.	Quantity of water for Domestic Purpose in KLD	15 KLD
	d.	Wastewater generation in KLD	14 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	The wastewater generated will be treated in Package Sewage Treatment Plant of 15 KLD Capacity
	II.	Operational Phase	
	a.	Total Requirement of Water in KLD	Fresh 60 KLD Recycled 30 KLD Total 90 KLD
	b.	Source of water	Mangalore City Corporation
	c.	Waste water generation in KLD	81 KLD
	d.	STP capacity	90 KLD
	e.	Technology employed for Treatment	SBR
	f.	Scheme of disposal of excess treated water if any	Excess quantity of 19 KLD will be discharged to UGD facilities / given to construction projects, used for watering avenue plantations.
16		Infrastructure for Rain water harvesting	
	a.	Capacity of sump tank to store Roof run off	60 CUM
	b.	No's of Ground water recharge pits	20 recharge pits
17		Storm water management plan	Appended in the project report
18		WASTE MANAGEMENT	
	I.	Construction Phase	
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	37.5 Kg/day The domestic wastes will be disposed through Mangalore City Corporation
	II.	Operational Phase	
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	238 kgs/day
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	158.4 kgs/day
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste oil of about 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	Handed over to authorized recyclers
19		POWER	
	a.	Total Power Requirement -Operational Phase	700 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 x 225 kVA sets capacity.
	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	Electrical savings plan is proposed in the project.
20		PARKING	
	a.	Parking Requirement as per norms	185 nos.

b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	"A"
c.	Internal Road width (RoW)	2 Lanes
21	Any other information specific to the project (Specify)	-

The proponent and Environmental Consultant from M/s. Samrakshan, Bangalore attended the 191st meeting held on 16th and 17th January 2018 to provide required clarification/additional information.

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

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

- 1) The proponent to submit the report on soil and water analysis from an accredited laboratory.
- 2) The proponent to submit solar panel layout plan.

The proponent has submitted the replies vide letter dated:6-3-2018

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 subject to the following conditions:

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

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

194.26 Proposed Residential Apartment Project at Khata No.338/332, Sy.No.51 of Nallurahalli Village, K.R.Puram Hobli, Bangalore East Taluk, Bangalore District by M/s. Amrutha Rama Constructions Pvt. Ltd. (SEIAA 108 CON 2017).

1.	Name & Address of the project	Proposed Residential Apartment Project at Khata No.338/332, Sy.No.51 of Nallurahalli Village, K.R.Puram Hobli, Bangalore East Taluk, Bangalore District by M/s. Amrutha Rama Constructions
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			Pvt. Ltd.
2.	Plot Area		11,027.53Sqm
3.	Total Built-up area		52,655.46 Sqm
4.	Building Configuration and Number of Units		2B+GF+9UF(2 Blocks) 400 units
5.	Height of the building		29.95 mts
6.	Land use as per CDP		
7.	Land use details	Ground coverage area	3822.94 sqmts
		Landscape	2897.8 sqmts
8.	Car Parking		451 Nos.
9.	Source of Power		
	Power requirement	Construction Phase	BESCOM/1X100 KVA DG set
		Operational Phase	BESCOM, 1000 KVA
10.	Backup DG sets		2X220 KVA
11.	Energy savings		20%
12.	Source of water	Construction Phase	Treated grey water, BWSSB & tankers
		Operational Phase	BWSSB
14.	Total water requirement	Construction Phase	50 KLD
15.		Operational Phase	270 KLD
16.	Wastewater generation in KLD		243 KLD
17.	STP capacity in KLD & technology		250KLD
18.	Rain water harvesting implementation, Recharge pits, Storage capacity		15 Nos. Of recharge pits, Sump of 100 cum
19.	Traffic : nearest road - LOS - Existing & modification		- -
20.	Solid waste disposal details		540 kg/day biodegradable waste will be processed in organic waste converter & 360 kg/day non biodegradable waste to be given to the waste recyclers.
21.	Cost of the Project		Rs. 75.00 crores

The proponent and Environmental consultant attended the 187th SEAC meeting to provide required clarification/additional information.

The committee while appraising the proposal observed from the village survey map that there is a nala passing through the project site in survey number 51. This nala as indicated in the village survey map originates in the neighbouring survey no.52 and passes through the survey numbers. 50 & 49 and further connects to a lake. Hence it appears to be a tertiary nala though it is marked in double line from certain distance from the originated point. The committee felt that there is a need to confirm whether it is a tertiary nala or secondary nala for which the proponent has agreed to submit the

extract of revised RMP, and also the status of nala as per the nala classification from the Storm Water Drain authorities of BBMP.

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

- 1) To submit the extract of revised RMP, and also the status of nala as per the nala classification from the Storm Water Drain authorities of BBMP.
- 2) To submit the scheme for ultra filtration technology to treat the sewage.
- 3) To submit scheme for point recharging of borewell by harvesting rainwater.
- 4) To make changes in the concept plan for taking the fire drive way which has been proposed in the buffer zone at elevated level leaving the buffer area undisturbed except for putting up some columns.

The proponent has submitted the replies on 16-1-2018. The replies furnished by the proponent are perused and accepted. However in case of classification of nala the SWD, BBMP Authorities have said that there is no trace of nala at the site and hence no buffer zone need to be left. The committee did not agree with this and insisted to leave a buffer of 25 meter treating this as a tertiary nala and accordingly appraised.

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

- 1) The proponent shall submit Traffic study details and to change the concept plan by leaving 25 meter buffer.

The proponent has submitted the replies vide letter dated:8-3-2018

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 subject to the following conditions:

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

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

194.27 Proposed construction of Residential Apartment & Commercial Building project at Sy.No.41 of Bhattarahalli Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru Urban District By Smt. K.R. Saraswathamma (SEIAA 12 CON-2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Smt. K R Saraswathamma w/o K V Gopalappa Sy No. 41/1 at Bhattarahalli Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District
2	Name & Location of the Project	Proposed Residential Apartment and Commercial Building project at Sy No. 41/1 at Bhattarahalli Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District
3	Co-ordinates of the Project Site	Longitude: 77°42'23.20"E Latitude: 13° 1'2.00"N
4	Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,) KR Puram Lake - 272.58 m W Tertiary Nala is at 30 m West of the 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. There are no lake within 75 meter from the site boundary. Tertiary Nala is at 30 m West of the site
5	Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other Residential and Commercial Apartment
	b.	Residential Township/ Area Development Projects No
6	Plot Area (Sqm)	18,665.96 sq.m.
7	Built Up area (Sqm)	1,12,731.76 sq.m
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Construction of Residential Apartment and Commercial Building project having two buildings each having 2 Basements + Ground Floor + 8 Upper Floors with total of 468 units.
9	Number of units in case of Construction Projects	Total Number of Units is 468 Nos.
10	Number of Plots in case of Residential Township/ Area Development Projects	-
11	Project Cost (Rs. In Crores)	115
12	Recreational Area in case of Residential Projects / Townships	Playground area - 500 sq.m. and Senior Citizen allocated area - 300 sq.m. Cycling track - 592.1 sq.m. Total recreational ground area = 1392.1 sq.m. (7.5% of plot area); Gym and Indoor games on Ground floor:

		1392.1 sq.m.(7.5% of plot area). Total recreational area = 2784.2 sq.m. (15% of plot area)	
13	Details of Land Use (Sqm)		
	a.	Ground Coverage Area	8,833.46 sqm (47.78%)
	b.	Kharab Land	Nil
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	6,260.56 sq.m (33.86%)
	d.	Internal Roads	3,393.46 sq.m. (18.36%)
	e.	Paved area	-
	f.	Others Specify	-
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	18,487.48 sqm
14	Details of demolition debris and / or Excavated earth		
	a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	No demolition is involved.
	b.	Total quantity of Excavated earth (in cubic meter)	147,737.79 cu.m.
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	147,737.79 cu.m.
	d.	Excess excavated earth (in cubic meter)	Nil
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	No disposal
15	WATER		
	I.	Construction Phase	
	a.	Source of water	From Nearby treated water suppliers
	b.	Quantity of water for Construction in KLD	50 KLD
	c.	Quantity of water for Domestic Purpose in KLD	10 KLD
	d.	Waste water generation in KLD	8 KLD
	II.	Operational Phase	
	a.	Total Requirement of Water in KLD	Fresh 65.672 Recycled 165.69+203.768=369.458 Total 435.13
	b.	Source of water	BWSSB
	c.	Waste water generation in KLD	413.37 KLD

	d.	STP capacity	430 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	300 cu.m.
	b.	No's of Ground water recharge pits	11 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	693.36 kg/day. Biodegradable waste will be converted in organic convertor.
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	462.24 kg/day. Non- Biodegradable waste will be handed over to authorized recyclers
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Nil
	d.	Quantity of E waste generation and mode of Disposal as per norms	E-waste generation will be very less
19	POWER		
	a.	Total Power Requirement - Operational Phase	3000 kVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1 X 2000 kVA. + 1X 1000 kVA
	c.	Details of Fuel used for DG Set	HSD
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	<ul style="list-style-type: none"> • Energy saved by using Solar water Heater : 200000kWH/ Year.....(a) • Total SPV Power Generation in a year = 0.6 L kWh / Annum.....(b) • Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 2.0+0.6 L KWH = 2.6 L / Annum(c)

			• Total energy savings from residential building = 29.68%
20	PARKING		
a.	Parking Requirement as per norms	One car spacing for 1 unit Total units = 468+10% visitors Parking required is 515cars Office space parking 293 Total car Parking required as per NBC= 808 Parking Provided is 811 Ecs which is as Per NBC and MoEF Norms	
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	NH 4-LOS - C	
c.	Internal Road width (RoW)	6 m	

The Proponent and Environmental Consultant Sri. B.N Dhanraj (obtained stay from Hon'ble High Court of Karnataka) attended the 191st meeting held on 16th and 17th January 2018 to provide required clarification/additional information.

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

The committee while appraising the proposal observed that in the earlier proposal, one survey number 41/2 was missed out and now the same has been rectified and uploaded in the E-portal. The proposal spreads over 41/1 and 41/2. As per the village survey map there is a nala passing in survey number 44 which is adjacent to survey number-41. Hence this requires a buffer to be left in this project area also. For this, as per the NGT order the proponent has agreed to clarify the boundaries and also about the buffer zone by suitably modifying the concept plan.

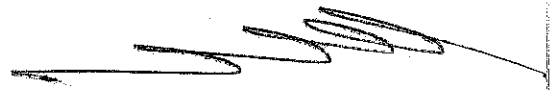
The committee after discussion and deliberation decided to reconsider the proposal after submission of the modified concept plan.

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

The proponent has submitted only the xerox copy of the notesheet from the storm water drain, BBMP authorities and extract of the map.

The committee after discussion had decided to recall the proponent after submission of the modified concept plan.

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



Additional Agenda for 194th Meeting of SEAC scheduled to be held on 15th March 2018.

Members present in the meeting:

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

10:15 AM to 1:30 PM

EIA Appraisal

194.28 Manufacturing of "Bulk Drugs & Intermediates" at Plot No. 125, in Sy No's. 100 & 127, Chikasugur village, Raichur Growth Centre Industrial Area, Raichur District, Karnataka of M/s. Hema Laboratories (SEIAA 5 IND 2017)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. G Siva Rami Reddy Technical Director At off No.2-23-B/194, Sree Nilayam, Beside MNR PG College, Bhagyanagar Hills, Opp. JNTU, Kukatpally, Hyderabad-500085
2	Name & Location of the Project	M/s. Hema Laboratories At Plot No. 125, in Sy No's. 100 & 127, Chikasugur village, Raichur Growth Centre Industrial Area, Raichur District, Karnataka
3	Co-ordinates of the Project Site	16°18'27.56"N 77°21'25.42"E
4	Environmental Sensitivity	
	a. Distance From nearest Lake/ River/ Nala	Krishna river- 8 km (N)
	b. Distance from Protected area notified under wildlife protection act	--
	c. Distance from the interstate boundary	Karnataka-Telangana interstate boundary - 8.4Km
	d. whether located in critically / severally polluted area as per the CPCB norms	No
5	Type of Development as per schedule of	Activity 5 (f) of Category-B

	EIA Notification, 2006 with relevant serial number	
6	New/ Expansion/ Modification/ Product mix change	New
7	Plot Area (Sqm)	3,883 Sqmt
8	Built Up area (Sqm)	1,090.7 Sqmt
9	Component of developments	"Manufacturing of Bulk drug and Intermediates unit"
10	Project cost (Rs. In crores)	Rs. 3 Crores
11	Details of Land Use (Sqm)	
	a. Ground Coverage Area	1,090.7 Sqmt
	b. Kharab Land	--
	c. Internal Roads	581.7 Sqmt
	d. Paved area	--
	e. Parking	--
	f. Green belt	1,463.62 Sqmt
	g. Others Specify	Vacant area = 746.98 Sqmt
	h. Total	3,883 Sqmt
12	Products and By- Products with quantity (enclose as Annexure if necessary)	Refer Annexure-1
13	Raw material with quantity and their source (enclose as Annexure if necessary)	Refer Annexure-2
14	Mode of transportation of Raw material and storage facility	The chemicals required for the process are mostly bought from the local (indigenous) markets. Mode of transportation of all raw materials to the project site is by road. Liquid chemicals will be stored in tanker yard, Drum yard and the solid chemicals will be in stores
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	Mode of transportation of coal to the project site is by road and will be stored in Coal storage yard
16	Fly ash production, storage and disposal details whereas coal is used as fuel	Coal ash from boiler will be stored in designated area and will sent o brick manufacturing industry
17	Complete process flow diagram and technology employed	Will be detailed in EIA
18	Details of Plant and Machinery with capacity/ Technology used	Boiler Capacity - 1x1TPH, 1x2TPH Dg capacity - 1x 250 KVA Effluent treatment - MEE of 20 KLD capacity with stripper &ATFD Biological treatment system – 15 KLD
19	Details of VOC emission and control measures wherever applicable	Emission - Process vents Control measure - Scrubber
20	WATER	
	I. Construction Phase	
	a. Source of water	KIADB water supply
	b. Quantity of water for Construction in KLD	2 KLD
	c. Quantity of water for Domestic Purpose in KLD	1 KLD
	d. Waste water generation in KLD	0.8 KLD

	e.	Treatment facility proposed and scheme of disposal of treated water	Will be treated in soak pit	
	II Operational Phase			
	a.	Source of water	KIADB water	
	b.	Total Requirement of Water in KLD	Fresh	21.5 KLD
			Recycled	10.5 KLD
			Total	32 KLD
	c.	Requirement of water for industrial purpose / production in KLD	Fresh	18.5 KLD
			Recycled	--
			Total	18.5 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	13.75 KLD
			Domestic sewage	2.4 KLD
			Total	16.15 KLD
	f.	ETP/ STP capacity	Effluent treatment - MEE of 20 KLD capacity with stripper & ATFD Biological treatment system – 15 KLD	
	g.	Technology employed for Treatment	MEE of 20 KLD capacity with stripper and ATFD	
	h.	Scheme of disposal of excess treated water if any	Zero discharge	
21	Infrastructure for Rain water harvesting		15 KLD will be provided to recharge roof rain water	
22	Storm water management plan		For the storm water drain, will going to provide closed concrete structures which do not pass chemical to the drain by washing and treatment of chemicals.	
23	Air Pollution			
	a.	Sources of Air pollution	Dg set, Boiler	
	b.	Composition of Emissions	--	
	c.	Air pollution control measures proposed and technology employed	Process emission will be connected to 2 stage scrubber for treatment	
24	Noise Pollution			
	a.	Sources of Noise pollution	Dg set, motors, compressor	
	b.	Expected levels of Noise pollution in dB	75 dB	
	c.	Noise pollution control measures proposed	Dg set will be installed with inbuilt acoustic enclosures	
25	WASTE MANAGEMENT			
	I. Operational Phase			
	a.	Quantity of Solid waste generated per day and their disposal	Organic solid waste	265 kg/day
			Inorganic Solid Waste	346 kg/day
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Description	Quantity
			Waste oil	2 l/month
			Detoxified Containers	100 No's /Month
			Used Lead Acid Batteries	4 No's/Annum

		HDPE liners/ LDPE bags	25 kg/month
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	--
26	Risk Assessment and disaster management		Is attached with EIA report
27	POWER		
	a.	Total Power Requirement in the Operational Phase with source	Electricity- GESCOM - 250 KVA
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1x250 KVA
	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	10 numbers
	b.	Internal Road width (RoW)	Approach road width - 18m Internal road width - 6m
29	Any other information specific to the project (Specify)		--

Annexure -1

List of proposed products and Intermediates

S. No.	Name of the product	Quantity consented Max. in TPM
1.	Clopidogrel Bisulphate	0.5
2.	Es Omeprazole Magnesium Trihydrate	2.0
3.	Lansoprazole	1.0
4.	Levetiracetam	2.0
5.	Losertan Potassium	1.0
6.	Omeprazole	1.5
7.	Pantoprazole Sodium Sesquihydrate	2.0
8.	Rabeprazole	1.0
9.	Sertraline Hydrochloride	2.0
10.	Telmisertan	1.0
	Total	14
S. No.	Name of the Byproduct	Quantity consented Max. in TPM
1	Potassium Chloride	4
2	Sodium Phosphate	1.5

Annexure -2

List of Raw materials
LIST OF SOLVENTS & ITS STORAGE

S. No.	Name of the Solvent	Maximum Inventory in Tons	Physical status	Mode of Storage
1	Acetone	15	Liquid	Tank
2	Acetonitrile	4	Liquid	MS Drums
3	DIPE	3	Liquid	MS Drums
4	Ethyl acetate	3	Liquid	MS Drums
5	Isopropyl Alcohol	4	Liquid	Tank
6	MDC	4	Liquid	HDPE Drums
7	MEK	2	Liquid	HDPE Drums
8	Methanol	15	Liquid	Tank
9	MIBK	4	Liquid	MS Drums
10	Toluene	15	Liquid	Tank

LIST OF HAZARDOUS CHEMICALS, CONSUMPTION & ITS STORAGE

S. No.	Name of the Chemical	Maximum Inventory in Tons	Physical status	Mode of Storage
1	Glycine methyl ester HCl	1.00	Solid	Fibre Drums
2	Potassium Hydroxide	0.50	Solid	PP Bags
3	Hydrogen Chloride Gas	0.10	Gas	Cylinders
4	Activated carbon	0.10	Solid	PP Bags
5	Conc.H2SO4	0.25	Liquid	HDPE carboys
6	IPA.HCl (24%)	0.25	Liquid	HDPE Drums
7	Hydrogen Peroxide (50%)	0.30	Liquid	HDPE carboys
8	Liq.Ammonia solution	0.50	Liquid	HDPE carboys
9	Paraformaldehyde	0.30	Solid	PP Bags
10	Sodium carbonate	0.20	Solid	PP Bags
11	Sodium sulfate	0.30	Solid	PP Bags
12	Titanium isopropoxide	0.15	Liquid	HDPE carboys
13	4-Bromo Methyl biophenyl - 2-carboxylic methyl ester	0.30	Liquid	HDPE carboys
14	2-Mercapto Benzimidazole	0.50	Solid	Fibre Drums
15	Acetic Acid	0.50	Liquid	HDPE carboys
16	Sodium methoxide	0.25	Solid	MS Drums
17	Omeprazole sulfide	1.00	Liquid	Fibre Drums
18	Cumin hydroperoxide	0.25	Liquid	HDPE carboys
19	DET	0.25	Liquid	HDPE carboys
20	Magnesium sulfate	0.30	Solid	Fibre Drums
21	N-Methylbenzene-1,2-diamine	0.50	Liquid	HDPE carboys
22	NEDIPA	0.25	Liquid	HDPE carboys
23	Palladium carbon	0.01	Solid	HDPE Drums

	(Wet 5% MC)			
24	Nitric Acid	0.30	Liquid	Al. Cans
25	Potassium Carbonate	0.50	Solid	PP Bags
26	Sodium Hydroxide	0.50	Solid	PP Bags
27	Sulfuric Acid	0.50	Liquid	HDPE carboys
28	Thionyl Chloride	1.00	Liquid	GI Drums with PP lining
29	Tri Fluoro Ethanol	1.00	Liquid	HDPE Drums
30	S(+)-2-amino butyramide Hydrochloride	0.50	Solid	Fibre Drums
31	4-chloro Butyryl chloride	0.30		HDPE carboys
32	2-Cyano-4-Methyl biphenyl (OTBN)	0.50	Solid	Fibre Drums
33	Butyl chloro formyl imidazole (BCFI)	0.50	Solid	Fibre Drums
34	N-Bromosuccinimide (NBS)	0.30	Solid	Fibre Drums
35	Sodium Azide	0.30	Solid	Fibre Drums
36	Sodium meta bisulphate	0.25	Solid	Fibre Drums
37	Sodium nitrite	0.30	Solid	Fibre Drums
38	TBAB	0.25	Solid	Fibre Drums
39	3,5-Lutidine	2.00	Liquid	HDPE Drums
40	2-Mercapto-5-methoxy Benzimidazole	0.30	Solid	Fibre Drums
41	4-Bromo Methyl biphenyl - 2-carboxylic methyl ester	0.50	Liquid	HDPE Drums
42	Dimethyl sulphate	0.40	Liquid	HDPE Drums
43	5-(Difluoromethoxy)- 1H- benzo[d]imidazole-2-thiol	0.30	Solid	Fibre Drums
44	Sodium Hypochlorite	0.50	Liquid	HDPE Drums
45	Sodium thiosulphate	0.20	Solid	PP Bags
46	Acetic anhydride	0.30	Liquid	HDPE carboys
47	Formic acid	0.30	Liquid	HDPE Drums
48	Phosphoric acid	0.30	Liquid	HDPE carboys
49	2,3-Lutidine	2.00	Liquid	HDPE Drums
50	2-Mercaptobenzimidazole	0.50	Solid	Fibre Drums
51	3-Methoxy-1-Propanol	0.50	Liquid	HDPE Drums
52	MMA in Methanol	1.00	Liquid	HDPE Drums
53	Racemic Cis and Trans Sertraline	1.00	Solid	Fibre Drums
54	D(-) Mandelic acid	0.50	Solid	Fibre Drums
55	Hydrochloric acid	2.00	Liquid	HDPE carboys
56	Methyl-4-(butyramido)-3-	1.00	Liquid	HDPE Drums

The proposal was placed before the committee for appraisal.

The Proponent and Environmental Consultant Sri. Mahadevaswamy .P(obtained stay from the Hon'ble High Court of Karnataka) attended the 178th meeting held on 27th and 28th February 2017 to provide clarification/additional information.

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

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

1. Details of adjacent industries and impact on the same from this industry
2. Scheme of design and capacity of the MEE proposed to be justified
3. Disposal of by-product details with MOU for disposal to be submitted
4. Cumulative impact of the air to be provided including RTPS and surroundings
5. Safety measures proposed in the hydrogenation process to be explained in EIA
6. Process flow chart and number of reactors to be explained.
7. In the ambient air monitoring protocols, VOC is to be incorporated as one of the parameters
8. Solvent storage and solvent recovery system to be explained with process
9. Green chemistry adopted in the process to be highlighted
10. List of banned chemicals to be provided and alternatives to be suggested
11. Advantages and disadvantages of using palladium/carbon in the hydrogenation process instead of proposed ranney nickel duly considering the safety norms be explained
12. Proposed greenery details with design to be provided

The project proponent has submitted the EIA report vide letter dated 5-2-2018.

The Proponent and Environment Consultant appeared before the committee to provide clarification/additional information.

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

The committee perused the compliance to additional TORs and also appraised the project based on the studies made and recommended the proposal to SEIAA for issue of Environmental Clearance with a specific condition that a thick green belt with broad leaved native tree species shall be created all round the site.

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

194.29 Proposed Residential Development at PID No. 10-1-42, Municipal No. 42, Site Nos. 11/1, 12, 12/1 & 13, Rajajinagar Industrial Extension, Tumkur Road, Yeshwanthpur, Bengaluru by M/s. Darshita Southern India Happy Homes Pvt Ltd.(SEIAA 66 CON 2017)

1.	Project Type	Proposed Commercial Building
2.	Category of project i.e., 'A' or 'B'	'B'
3.	Sl. No. in the Schedule	Serial No.8(b)
4.	Name & contact address of the project proponent	M/s. Darshita Southern India Happy Homes Private Limited Salarpuria Windsor, No.3, 4 th Floor, Ulsoor Road, Bengaluru - 560 042. e-mail: pkm@sattvagroup.in
5.	Objective of the Project	To fulfill the increasing demand of commercial establishments, with well-planned design and structure in order to provide a comfortable commercial space to meet the growing economy.
6.	Project description	The project is sprawled across in 2 Towers with a configuration of 3B+G+9UF in Tower A & 3B+G+10UF in Tower B with a maximum height of 50.85m.
7.	Project location	At PID No. 10-1-42, Municipal No. 42, Site Nos. 11/1, 12, 12/1 & 13, Rajajinagar Industrial Extension, Tumkur Road, Yeshwanthpur, Bengaluru.
8.	Total site area	37,695.87 Sqmt (9 Acres 12.6 Guntas)
9.	Latitude of the project site	13°01'27.26" N
10.	Longitude of the project site	77°32'40.79" E
11.	Total built up area	1,76,666.90 Sqmt
12.	Total ground coverage area	10,416.84 Sqmt (27.63%)
13.	Total landscape area	11,613.73 Sqmt (30.81%)
14.	Maximum height of the building	50.85m
15.	Total number of contributing population	13,428 Nos. of employees.
16.	Duration of the project	5.0 years
17.	Cost of the project	Rs. 449.86 Crores
18.	Source of water during operation phase	BWSSB

19.	Total water requirement during operation phase	598 KLD
20.	Domestic water requirement	336 KLD
21.	Flushing water requirement	262 KLD
22.	Quantity of Sewage generated	538 KLD
23.	Mode of treatment for Sewage	Sequential Batch Reactor (SBR) Technology. It is proposed to construct 585 KLD capacity of STP.
24.	Quantity of treated sewage and mode of disposal	512 KLD. Out of this, 262 KLD shall be used for flushing of toilets, about 70 KLD shall be used for landscaping and 180 KLD will be used for HVAC.
25.	Source of power & requirement	Source: BESCO Electricity - 10,720 kW Transformers - 2,500 kVA X 4 Nos. DG set - 2,000 kVA X 7 Nos. Fuel required for DG sets - 2,933.28 l/hr
26.	Transportation connectivity	Yeshwanthpur Railway Station, which is around 2.7 km from the project site. Bengaluru city Railway station, which is around 10.5 km from the project site. Airport - Kempegowda International Airport is around 33.5 km from project site.
27.	Parking requirements	Required number of car parks: 2,202 Nos.
28.	Quantity of domestic solid wastes	Provided number of car parks: 2,238 Nos. Total quantity: 3.36 MT/day Biodegradable wastes: 0.67 MT/day Non-biodegradable wastes: 2.69 MT/day
29.	Management of domestic solid wastes	Generated Solid waste will be segregated at source itself as Organic and inorganic and collected manually in two separate bags. Organic Waste will be treated in Organic Waste Converter and is converted into manure and reused on own land for gardening purposes. Inorganic Waste will be handed over to authorized recyclers.
30.	Hazardous waste / E - waste	Quantity of waste oil: 6.8 l/hr which will be given to KSPCB authorized waste oil recyclers. The generated E-Waste will be handed over to authorized E-waste processors approved by KSPCB.
31.	Rain water harvesting	Rain water harvesting facility will be implemented with rain

	water collection sumps of capacity 100 Cum X 2 Nos. and 10 Nos. of Recharge Wells.
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The Proponent and the Environmental Consultant Sri. M.D Sanjay Kumar (Obtained stay from Hon'ble High Court of Karnataka) attended the 181st meeting of SEAC held on 21st April 2017 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form IA, Conceptual plan, proposed ToRs and clarification/information provided during the meeting. The committee noted that the proposal is for a horizontal expansion.

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

1. Village map showing Nala details, Kharab land details and its position along with supporting RTC documents are to be submitted and implications on the proposed project site to be explained with respect to NGT order OA 222/2014 dated 04.05.2016.
2. Scheme for treating sewage and sullage separately and use of treated water within the project site.
3. Quantification of the terrace area available for harnessing solar energy and an appropriate plan thereof with due calculations.
4. Scheme for providing dual fuel generators for backup power with provision for CNG.
5. Scheme for utilisation of entire Rain Water harvested in the project site (both from the roof top and from the surface runoff) within the Project premises only.
6. Details of excavated earth and plan for safe and scientific utilization of the same within the project site.
7. Hydrological study of the area influencing the surface water flow considering the micro watershed network of the region with respect to adequacy of the nala and carrying capacity.

Accordingly ToRs were issued vide letter dated 28.04.2017.

The project proponent has submitted the EIA report vide letter dated 04.09.2017.

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

The proponent was invited to 183rd meeting held on 22nd September 2017 to provide required clarification. The proponent submitted a letter vide dated 19.09.2017 requesting the committee to postpone their proposal to next meeting as they are unable to attend the meeting.

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

The proponent was invited again for EIA appraisal and to provide required clarification and information.

The proponent remained absent. In the meanwhile the proponent has made out a request letter vide dated: 2-1-2018, that he may be granted some more time as he is revising the concept plan from residential to commercial development keeping in view the market trend. The committee perused his request and considered the same.

The proponent has submitted the revised application, TORs and conceptual plan and required information vide letter dated: 3-2-2018.

The proposal was placed before the committee for appraisal.

The committee noted that this is the proposal for issue of modified TORs. Earlier TORs were issued during 2017 and the proponent has stated that he has conducted studies in the month of March, April & May 2017. Now the proponent is converting the proposal from residential purpose to commercial purpose. The proponent has also requested to permit him to use the seasonal data collected already in the months of march, April & May 2017. The committee deliberated on this and decided to recommend to issue of TORs subject to the conditions that the proponent will study one time baseline data along with the comparative assessment of the changes that have taken place in one year.

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

Fresh Subjects:

194.30 Proposed Residential Apartment Project at Sy No.28/17A of Kumbalgodu village, Kengeri Hobli, Bangalore South Taluk, Bangalore Rural District by M/s Sowparnika Projects & Infrastructure Pvt Ltd., (SEIAA 39 CON 2018)

Sl. No.	Particulars	Information
1.	Name of the Project	SOWPARNIKA KUMBALGODU
2.	Location of the project	Survey No.28/17a, kumbalgodu village, Kengeri Hobli, Bangalore south Taluk, Bangalore District.
3.	Land use as per CDP	YELLOW ZONE, RESIDENTIAL
4.	Name & Address of the project proponent	S.SREENIVASAN #750, 1 st MAIN, C-BLOCK, AECS LAYOUT, KUNDANAHALLI,

		Bangalore 560 037.
5.	New/ Expansion/Modification	NEW
6.	Site Area in Sqmt	7486.62
7.	Total Built up area in Sqmt	23262.28
8.	Configuration of the Building (No. of blocks, floors, No. of units)	B+GF+8 upper floors
9.	Land use details (Ground coverage area, park & open space etc.)	Ground coverage- 37.71% --- 2823.20sqmts Greenery - 33% ---- 2470.05sqmts Driveway - 12% ---- 898.39 sqmts Utilities - 2.29% ---171.44 sqmts R& Cpa - 15% --- 1122.99sqmts
10.	Earth Work Management	12571 cum of soil is excavated, 3690 cum is used for backfill and compactin, 4850 cum is used for roads/ramps formation, 3087 cum of top soil is utilised for land scaping and 944 cum soil is exported to other development.
11.	Source of water & NOC from the competent authority	Kumbalgodu village water supply scheme, NOC issued by Kumbalgodu Grama Panchayath
12.	Water requirement in KLD	178 KLD sourced from Kumbalgodu Gram Panchayath
13.	Wastewater generation in KLD	142.56
14.	STP capacity in KLD & technology	150
15.	Rain water harvesting implementation, Recharge pits, Storage capacity	2226.40 cum of rain water will be harvested 2 x 100kl u g sumps provided 10 nos. percolation pits are provided
16.	Source of Power and requirement	960 KVA required and supplied by BESCOM Transformer 2x500 KVA D.G Sets 1x500 KVA & 1x200 KVA Energy Saving 19.7%
17.	Parking facility provided	172 car parking provided as per NBC
18.	Traffic : nearest road - LOS - Existing & modification	" A "

The Proponent and Environmental consultant Sri. Dev & Mahesh(Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed in the village survey map that there is a tertiary nala passing along the southern boundary of the project area for which the proponent has stated that he has left sufficient buffer as per NGT norms.

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

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

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

194.31 Proposed Expansion of Sand Quarry Project in Block No.1 at Sy.No.16 of Kalamarahalli Village, Challakere Taluk, Chitradurga District (20-0 Acres) by Sri Nagarajappa R (SEIAA 07 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Nagarajappa R M/s. Samukha Enterprises, No. 475/ A, 13th Cross, 28th Main, JP Nagar, 1st Phase, Bangalore - 560858.
2	Name & Location of the Project	"Sand Quarry" at Kalamarahalli Sand Block - 1 in Kalamarahalli village, Challakere Taluk, Chitradurga district, Karnataka.
3	Co-ordinates of the Project Site	Latitude: N14° 06' 53.9" to N 14° 06' 31.3" Longitude: E76° 47' 08.9" to E 76° 47' 53.7"
4	Type of Mineral	Ordinary Sand Quarry
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	8.09 Ha
9	Actual Depth of sand in the lease area in case of River sand	3.0m
10	Depth of Sand proposed to be	1.0m/Water level

	removed		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	1,10,404 Tons/ annum	
12	Quantity of Topsoil/Over burden in cubic meter	12,860 Cubic Meter	
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	No Waste	
14	Project Cost (Rs. In Crores)	0.95 crores	
15	Environmental Sensitivity		
	a. Nearest Forest	None Within 5 Kms	
	b. Nearest Human Habitation	Kalamarahalli Village - 1.85 Kms(W)	
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Challakere.	
	d. Water Bodies	This is a river sand mining project. The site is in Vedavathi River Bed	
	e. Other Specify	--	
16	Applicability of General Condition of the EIA Notification, 2006		
17	Details of Land Use in Ha		
	a. Area for Mining/ Quarrying	6.49	
	b. Waste Dumping Area	--	
	c. Top Soil Storage Area	--	
	d. Mineral Storage Area	--	
	e. Infrastructure Area	--	
	f. Road Area	--	
	g. Green Belt Area	1.60	
	h. Unexplored area	--	
	i. Others Specify	--	
18	Method of Mining/ Quarrying		
19	Water Requirement		
	a. Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b. Total Requirement of Water in KLD	Dust Suppression	6 KLD
		Domestic	0.7 KLD
		Other	1.1 KLD
		Total	7.8 KLD
20	Storm water management plan		
	River course will not be altered hence no storm water management plan is required		

The proponent and Environmental consultant Sri. B.N Dhanraj(Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed that for the same block an EC was issued on 25-10-2017. Now the application is for the expansion from 45,751 TPA to 1,10,404 TPA. Earlier during auction itself the quantity of 45,751 tons was mentioned and accordingly quarry plan was prepared and submitted. Now the quarry plan for mining 1,10,404 TPA has been prepared, approved and submitted.

As per the combined sketch prepared by the DMG there are two blocks within 500 meters including this block and the combined area of these two blocks is 35 Acres which is less than the threshold limit of 25 Hectares. Hence, this proposal has been treated as individual proposal and appraised accordingly.

As per the cross section plan of the sand mining block, the length of the block is 999 meter and width of the block is 81 meters. The average width of the river is 166 meter and he has left 20 meters buffer on the right side and about 65 meters on the left side in which the dry weather flow is observed. The average RL of top of the sand deposit is 559 meter and the average RL of dry weather flow is 557.5 meters. The depth of deposit is three meters and depth of mining proposed is one meter. Thus the bottom of the quarry pit will be at 0.5 meter above the dry weather flow. The proponent has proposed to take up mining on the entire area of the block to a depth of one meter. The proponent has stated that he will take up mining after the first year only after full replenishment. The proponent has stated that the stock yard has been proposed on the private land for which MOU has been obtained. The proponent has stated that there is an existing cart track road connecting river bed to stock yard which is 185 meter from the river and then proceeds further to join Dharpura MDR at a distance of 400 meter which is black topped. It is envisaged to produce 1,10,404 TPA with a lease period of five years.

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

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

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

194.32 Proposed expansion of Sand Quarry Project in Block No.2 at Sy.Nos.38, 37, 57, 73, 6, 8, 9 & 10 of Hoovinahole Village, Hiriyur Taluk, Chitradurga District (15-0 Acres).
by Sri G.P.Jayapalayya. (SEIAA 08 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. G P Jayapalayya, S/o Palayya, Yadagalagatti Post, Challakere Taluk, Chitradurga District.
2	Name & Location of the Project	"Sand Quarry" at Hoovinahole Sand Block - 2 in Hoovinahole Village, Hiriyur Taluk, Chitradurga district, Karnataka.
3	Co-ordinates of the Project Site	Latitude: N 13° 59' 17.5" to N 13° 59' 02.6" Longitude: E 76° 44' 36.1" to E76° 44' 59.1"
4	Type of Mineral	Ordinary Sand Quarry
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	6.07 Ha
9	Actual Depth of sand in the lease area in case of River sand	3.0m
10	Depth of Sand proposed to be removed	0.98m/Water level
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	75,653 Tons/annum
12	Quantity of Topsoil/Over burden in cubic meter	8,840 Cubic Meter
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	No Waste
14	Project Cost (Rs. In Crores)	0.90 crores
15	Environmental Sensitivity	

	a.	Nearest Forest	None Within 5 Kms	
	b.	Nearest Human Habitation	Hoovinahole Village - 0.70 Kms(E)	
	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Hiriyur - 14.40 Kms(SW)	
	d.	Water Bodies	This is a river sand mining project. The site is in Suvarnamukhi River Bed	
	e.	Other Specify	--	
16	Applicability of General Condition of the EIA Notification, 2006			
17	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	4.51	
	b.	Waste Dumping Area	--	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	--	
	g.	Green Belt Area	1.56	
	h.	Unexplored area	--	
	i.	Others Specify	--	
18	Method of Mining/ Quarrying		Semi-Mechanised Method	
19	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	5 KLD
			Domestic	0.7 KLD
			Other	1.1 KLD
			Total	6.8 KLD
20	Storm water management plan		River course will not be altered hence no storm water management plan is required	

The Proponent and Environmental consultant Sri. B.N Dhanraj(Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

The committee while appraising the proposal observed that for the same block an EC was issued on 25-10-2017. Now the application is for the expansion from 37,500 TPA to 75,653 TPA. Earlier during auction itself the quantity of 37,500 tons was

mentioned and accordingly quarry plan was prepared and submitted. Now the quarry plan for mining 75,653 TPA has been prepared, approved and submitted.

As per the combined sketch prepared by the DMG there is only one block that is this block within 500 meters.

As per the cross section plan of the sand mining block the length of the block is 971 meter and width of the block is 62.5 meters. The average width of the river is 105 meter and he has left 13 meters buffer on the right side and about 29.5 meters on the left side in which the dry weather flow is observed. The average RL of top of the sand deposit is 583.0 meter and the average RL of dry weather flow is 581.5 meters. The depth of deposit is three meters and depth of mining proposed is 0.98 meter. Thus the bottom of the quarry pit will be at 0.52 meter above dry weather flow. The proponent has proposed to take up mining on the entire area of the block to a depth of 0.98 meter. The proponent has stated that he will take up further mining after the first year only after full replenishment. The proponent has stated that the stock yard has been proposed on the private land for which MOU has been obtained. The proponent has stated that there is an existing cart track road connecting river bed to stock yard which is 105 meter from the river and then proceeds further to join Eshwargere MDR at a distance of 500 meter which is black topped. It is envisaged to produce 75,653 TPA with a lease period of five years.

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

- 1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
- 2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
- 3) The overall depth of mining shall not exceed 0.98 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.

194.33 Proposed expansion of Sand Quarry Project in Block No.1 at Sy.Nos.75, 79, 73, 38, 97 & 78 of Muttagundi Village, Hosadurga Taluk, Chitradurga District (16-0 Acres) by Sri Ravi (SEIAA 09 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
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1	Name & Address of the Project Proponent	Sri. Ravi, Ravi Automobiles; B. M: Road, Ballupete, Sakaleshpura Taluk, Hassan District.
2	Name & Location of the Project	"Sand Quarry" at Muttagundi Sand Block - 1 in Muttagundi Village, Hosadurga Taluk, Chitradurga district, Karnataka.
3	Co-ordinates of the Project Site	Latitude: N 13° 45' 00.7" to N 13° 45' 02.6" Longitude: E76° 20' 47.2" to E76° 20' 47.1"
4	Type of Mineral	Ordinary Sand Quarry
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	6.474 Ha
9	Actual Depth of sand in the lease area in case of River sand	3.00 m
10	Depth of Sand proposed to be removed	1.00m/Water level
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	88,351 Tons/ annum
12	Quantity of Topsoil/Over burden in cubic meter	9,248 Cubic Meter
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	No Waste
14	Project Cost (Rs. In Crores)	0.92 crores
15	Environmental Sensitivity	
	a. Nearest Forest	None Within 5 Kms
	b. Nearest Human Habitation	Muttagundi Village - 0.55 Kms(S)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Hosadurga- 6.20 Kms(NW)
	d. Water Bodies	This is a river sand mining project. The site is in Vedavathi River Bed
	e. Other Specify	--
16	Applicability of General	

	Condition of the EIA Notification, 2006			
17	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	5.197	
	b.	Waste Dumping Area	--	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	--	
	g.	Green Belt Area	1.277	
	h.	Unexplored area	--	
	i.	Others Specify	--	
18	Method of Mining/ Quarrying		Semi-Mechanised Method	
19	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	6 KLD
			Domestic	0.7 KLD
			Other	1.1 KLD
			Total	14.2 KLD
20	Storm water management plan		River course will not be altered hence no storm water management plan is required	

The proponent was invited to provide required clarification. The proponent remained absent.

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

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

2:30 PM to 5:30 PM

Referred Back from Authority(EIA):

194.34 Formation of Housing Layout at Raichur, Growth Centre, Raichur District of CEO & Executive Member, Karnataka Industrial Area Development Board (KIADB), Khanija Bhavana, 4th & 5th Floor, East Wing, No. 49, Race Course Road, Bangalore - 560001. (SEIAA 49 CON 2013)

Name of the Applicant: Development Officer & Executive Engineer, KIADB, Gulbarga.
Name of the Consultancy Firm: M/s. ABC Techno Labs India (P)

Ltd., Chennai

KIADB have applied for Environmental Clearance from SEIAA for their new proposed formation of housing layout with residential & commercial building at Sy. No. listed at Raichur Taluk & District under 8(b) of Schedule of EIA Notification, 2006 under Category-B. Total project cost is Rs. 123 Crores.

Project Details: Land: Total Plot Area: 1030228.37 Sqm (254.33 Acres or 102.88 hectares) (plain); The Project consists of 3069 plots; **Water Requirement:** Total water requirement is 2 MLD and is sourced from Raichur Corporation. **Excavated Wastewater** generated will be treated in proposed STP of design capacity 1.6 MLD KLD; **Municipal Solid Waste Management:** Total waste generated: 9787 kg/day. **Power:** Total Power requirement: 7500 KVA supplied from BESCO; Backup Power proposed: DG sets of 9 X 250 KVA;

Details surrounding the Project: Srisailam Reservoir: 95 kms. Other details: Rain Water Harvesting is proposed.

1. Land details: notified under KIADB, 1966 28 (3) issued on 24.9.1996. Geotechnical investigation report submitted.
2. Proposed land use details (Sqm)
 - a. Residential: 4,59,275.7 (44.57%).
 - b. Parks, open space: 1,08,174.23 (10.50%)
 - c. Traffic & transportation: 3,35,757.32 (32.61%)
 - d. Civic amenities: 6,23,318 (6.055)
 - e. Commercial area: 64,688.92 (6.27%)

Total area: 1030228.37 (100%)

The proponent and environmental consultant present explained the proposed ToRs in the 102nd meeting of SEAC held on 26th April 2013. The Committee after deliberation had decided to issue the model ToRs along with the following additional ToRs:

1. Land ownership documents.
2. Details of buffer zone proposed.
3. Commitment letter from the Raichur Corporation for water supply.
4. Four seasons data for ambient air quality monitoring with predominant wind direction.

Accordingly ToRs were issued vide letter dated 22.05.2013.

The proponent vide letter dated 19.03.2016 have requested for extension of validity of ToR for one more year to complete the EIA report, as they are not able to finalize the draft EIA report due to delay in finalizing certain design details. The Authority perused the representation of the proponent in its 116th meeting held on 31st March 2016 and had decided to extend the validity period for further period of one year ie., till 21.05.2017.

The proponent has submitted the EIA report vide letter dated 21.04.2017 which was received on 11.05.2017.

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

The proponent and Environmental Consultant from M/s. ABC Techno Labs India (P) Ltd attended the meeting of SEAC to provide required information/clarification.

The committee noted that the Environment consultant present in the meeting is not the EIA coordinator and has come without freezing the project boundary.

The committee therefore decided to defer the proposal providing one more opportunity to the proponent to present the proposal in the next meeting. The committee also asked the proponent to submit the village map duly marking the project site, details of nala/water bodies within the project site and required buffer zone provided as per the norms.

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

While appraising the proposal the committee observed that the Layout proposed is in the land belonging to Potagal and Yaramarus villages of Raichur Taluk. The Proponent has stated that there is no kharab land in the entire extent. He has also stated that in the survey no 269 of Potagal village the water pond shown is a private one and not reflected in any of the revenue records, except the village survey map.

While appraising the proponent has accepted to have a relook on the extent of kharab land and he has stated that if there is any discrepancies in survey numbers made out in the application and appraisal material, he will submit the revised application. The committee observed that the TOR for the project was issued in the year 2013 and further extended up to 21st May 2017 and hence the extended period is also lapsed. The proponent was suggested to get the extension from the Authority and come for the appraisal for which the proponent has agreed.

In view of the above the committee decided to defer the subject and give one more opportunity to the proponent to present the proposal with required information.

The subject was referred to SEIAA for seeking necessary information and the same was discussed in the 142nd SEIAA meeting held on 9th February 2018.

The authority perused the information and opined that the validity of TOR refers to submission of EIA report and not for consideration and disposal of the application. As the proponent have submitted the EIA report within the expiry of extended validity period, the report need to be appraised in accordance with law and decided based on merit to send recommendation deemed fit to SEIAA. However, the SEAC is free to seek additional information/clarification, etc if any required for consideration of the proposal from the proponent.

The Authority with this observation decided to refer the file back to SEAC for consideration of EIA report in accordance with law and sending recommendation deemed fit based on merit at the earliest.

The proposal is placed before the committee for appraisal.

The committee while appraising the proposal observed that as per the land records furnished by KIADB there is a total extent of one acre kharab out of which 20 guntas is A-kharab and 20 guntas B-Kharab. B Kharab is in survey number 307 & 308 of Potagal village. There is a nala running by the side of survey number 307 & 308 and it appears that the B kharab in these survey number is part of nala. The A-kharab is in survey number 270,272 and 274 of potagal village. In the survey number 269 as per village survey map there is a water body for which no feeder nalas are observed and the proponent has stated that this is a private land and has been acquired from private persons by paying compensation.

The proposal is for area development and housing purpose and as stated by the proponent it is six kilometers away from the existing growth centre. The area wherein this proposal has been proposed is covered all round by residential areas and adjoining to the existing Housing board layout.

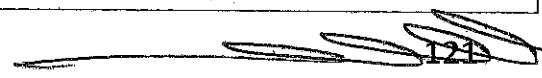
The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance.

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

TOR Proposals

194.35 Proposed Bulk Drug & Intermediates Unit Project at Plot No.80-P1, KIADB Industrial Area, Gadwanthi Village, Humnabad Hobli & Taluk, Bidar District by M/s. SADA PHARMA PVT. LTD. (SEIAA 06 IND 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. G Siva Rami Reddy Director At Plot No.4, House No.8-3-167/ A4, Vikas puri colony, S R Nagar post near A G Colony, Hyderabad
2	Name & Location of the Project	M/s. SADA PHARMA PVT LTD At Plot No. 80-P1, KIADB Industrial Area, Gadwanthi Village, Humnabad Hobli & Taluk, Bidar District, Karnataka
3	Co-ordinates of the Project Site	17.7576° N 77.0941° E
4	Environmental Sensitivity	
	a. Distance From nearest Lake/ River/ Nala	Dhumansur lake - 6 Km (NE)
	b. Distance from Protected area notified under wildlife protection	Pandaragera reserve forest - 8 Km (SW)



	act	
	c. Distance from the interstate boundary	--
	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	New
7	Plot Area (Sqm)	7,368.9 Sqmt
8	Built Up area (Sqm)	1,944 Sqmt
9	Component of developments	"Manufacturing of Bulk drug and Intermediates unit"
10	Project cost (Rs. In crores)	Rs. 4.5 Crores
11	Details of Land Use (Sqm)	
	a. Ground Coverage Area	1,944 Sqmt
	b. Kharab Land	--
	c. Internal Roads	1,945.2 Sqmt
	d. Paved area	--
	e. Parking	--
	f. Green belt	2,432 Sqmt
	g. Others Specify	Vacant area = 1,047.7 Sqmt
	h. Total	7,368.9 Sqmt
12	Products and By- Products with quantity (enclose as Annexure if necessary)	Annexure-1
13	Raw material with quantity and their source (enclose as Annexure if necessary)	Annexure-2
14	Mode of transportation of Raw material and storage facility	The chemicals required for the process are mostly bought from the local (indigenous) markets. Mode of transportation of all raw materials to the project site is by road. Liquid chemicals will be stored in tanker yard, Drum yard and the solid chemicals will be in stores
15	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	Mode of transportation of coal to the project site is by road and will be stored in Coal storage yard
16	Fly ash production, storage and disposal details whereas coal is used as fuel	Coal ash from boiler will be stored in designated area and will sent o brick manufacturing industry
17	Complete process flow diagram and	Will be detailed in EIA

	technology employed	
18	Details of Plant and Machinery with capacity/ Technology used	2 TPH - Boiler Capacity 150 KVA Dg capacity MEE of 20 KLD capacity with stripper and ATFD
19	Details of VOC emission and control measures wherever applicable	--
20	WATER	
	I. Construction Phase	
	a. Source of water	KIADB
	b. Quantity of water for Construction in KLD	2 KLD
	c. Quantity of water for Domestic Purpose in KLD	1 KLD
	d. Waste water generation in KLD	0.8 KLD
	e. Treatment facility proposed and scheme of disposal of treated water	Mobile STP
	II Operational Phase	
	a. Source of water	KIADB water
	b. Total Requirement of Water in KLD	Fresh 18 KLD
		Recycled 22 KLD
		Total 40 KLD
	c. Requirement of water for industrial purpose / production in KLD	Fresh 11 KLD
		Recycled 22 KLD
		Total 33 KLD
	d. Requirement of water for domestic purpose in KLD	Fresh 2 KLD
		Recycled 2 KLD
		Total 2 KLD
	e. Waste water generation in KLD	Industrial effluent 20.34 KLD
		Domestic sewage 2 KLD
		Total 22.34 KLD
	f. ETP/ STP capacity	MEE of 20 KLD capacity with stripper and ATFD
	g. Technology employed for Treatment	MEE of 20 KLD capacity with stripper and ATFD
	h. Scheme of disposal of excess treated water if any	Zero discharge
21	Infrastructure for Rain water harvesting	15 KLD will be provided to recharge roof rain water
22	Storm water management plan	For the storm water drain, will going to provide closed concrete structures which do not pass chemical to the drain by washing and treatment of chemicals.
23	Air Pollution	

	a.	Sources of Air pollution	Dg set, Boiler	
	b.	Composition of Emissions	--	
	c.	Air pollution control measures proposed and technology employed	Process emission will be connected to 2 stage scrubber for treatment	
24	Noise Pollution			
	a.	Sources of Noise pollution	Dg set, motors, compressor	
	b.	Expected levels of Noise pollution in dB	75 dB	
	c.	Noise pollution control measures proposed	Dg set will be installed with inbuilt acoustic enclosures	
25	WASTE MANAGEMENT			
	I. Operational Phase			
	a.	Quantity of Solid waste generated per day and their disposal	Organic solid waste	387.25
			Inorganic Solid Waste	711.47
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms	Description	Quantity
			Waste oil	200 l/month
			Detoxified Containers	100 No's /Month
			Used Lead Acid Batteries	4 No's/Annum
			HDPE liners/ LDPE bags	50 kg/month
	c.	Quantity of E waste generation with source and mode of Disposal as per norms	--	
26	Risk Assessment and disaster management		Will be provided during EIA submission	
27	POWER			
	a.	Total Power Requirement in the Operational Phase with source	Electricity- GESCOM - 250 KVA	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1x150 KVA	
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc.,	Boiler - Coal Dg set - HSD	
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as CFL and LED lights are proposed in the project.	
28	PARKING			
	a.	Parking Requirement as per norms	50 numbers	
	b.	Internal Road width (RoW)	Approach road width - 18.3m Internal road width - 6m	
29	Any other information specific to the project (Specify)		--	

Annexure-2

List of Raw materials

S. No.	Raw material	Consumption Kg/day	Maximum storage KL	Number of days	Physical status	Storage container	Source	Packets/ drums/ bags etc (Nos.)	Storage area
Solvents									
1	Toluene	137.00	10 Kl	24	Liquid	Tanker	T/M	10 Kl	Tanker Yard
2	Methanol	265.00	10 Kl	24	Liquid	Tanker	T/M	10 Kl	Tanker Yard
3	Ethyl Acetate	221.00	10 Kl	24	Liquid	Tanker	T/M	10 Kl	Tanker Yard
4	Iso Propyl Alcohol	279.00	5 Kl	24	Liquid	Drums	T/M	200 LT	Drums Yard
5	Acetone	143.00	5 Kl	24	Liquid	Drums	T/M	200 LT	Drums Yard
6	Methylene Chloride	628.00	10 Kl	24	Liquid	Tanker	T/M	10 Kl	Tanker Yard
7	Di Iso Propyl Ether	14.00	1 Kl	24	Liquid	Drums	T/M	200 LT	Drums Yard
8	Acetonitrile	27.00	2 Kl	24	Liquid	Drums	T/M	200 LT	Drums Yard
9	N Hexane	13.00	1 Kl	24	Liquid	Drums	T/M	200 LT	Drums Yard
19	Methyl EthylKetone	7.00	1 Kl	24	Liquid	Drums	T/M	200 LT	Drums Yard
11	DMF	79.00	3 Kl	24	Liquid	Drums	T/M	200 LT	Drums Yard
12	N Butanol	70.00	5 Kl	24	Liquid	Drums	T/M	200 LT	Drums Yard
Hazardous chemicals									
1	Hydrochloric acid	153.00	5 KL	24	Liquid	Tanker	T/M	5 Kl	Tanker Yard
2	Sodium Hypo Chloride	18.50	0.75 Kl	24	Liquid	Carboys	T/M	50 LT	Drums Yard
3	Formic acid	10.00	0.50 Kl	24	Liquid	Carboys	T/M	35 LT	Drums Yard
4	Liquer Ammonia	19.00	1.0 Kl	24	Liquid	Carboys	T/M	50 LT	Drums Yard
5	Sulphuric acid	14.00	0.50 Kl	24	Liquid	Carboys	T/M	35 LT	Drums Yard
6	Acetic acid	40.00	0.50 Kl	24	Liquid	Carboys	T/M	35 LT	Drums Yard
Other chemicals									

1	Omeprazole Sulphide	88.00		2.25 Ton	24	Solid	Bags	T/M	50 Kg	Stores
2	Cumine hydroperoxide	41.00		1 Ton	24	Liquid	Carboy	T/M	50 Kg	Stores
3	Potassium Hydroxide	317.20		9 Ton	24	Solid	Bags	T/M	50 Kg	Stores
4	Titanium iso Peroxide	2.50		100 Kg	24	Liquid	Carboy	T/M	50 Kg	Stores
5	Magnesium Sulphate	16.00		500 Kg	24	Solid	Bags	T/M	50 Kg	Stores
6	Racemic Sertraline	114.00		3 Ton	24	Solid	Bags	T/M	50 Kg	Stores
7	Caustic sod flaks	272.00		9 Ton	24	Solid	Bags	T/M	50 Kg	Stores
8	Activated Carbon	45.10		150 Kg	24	Solid	Bags	T/M	20 Kg	Stores
9	D(-) Mandalic acid	5.00		150 Kg	24	Solid	Bags	T/M	25 Kg	Stores
10	2 amino butyramide HCl	120.00		300 Kg	24	Solid	Bags	T/M	50 Kg	Stores
11	4 Chloro butyryl chloride	124.00		300 Kg	24	Liquid	Carboy	T/M	50 Kg	Stores
12	Potassium Carbonate	211.00		6 ton	24	Solid	Bags	T/M	25 Kg	Stores
13	Sodium Sulphate	20.00		600 Kg	24	Solid	Bags	T/M	50 Kg	Stores
14	Pantaprazole Sulphide	90.00		2.5 Ton	24	Solid	Bags	T/M	50 Kg	Stores
15	Sodium Thio Sulphate	15.00		500 Kg	24	Solid	Bags	T/M	25 Kg	Stores
16	Glysin Methyl Ester	87.25		2.5 ton	24	Solid	Bags	T/M	25 Kg	Stores
17	Sodium Carbonate	140.00		4 Ton	24	Solid	Bags	T/M	50 Kg	Stores
18	Tosylate	90.00		2.5 Ton	24	Solid	Bags	T/M	50 Kg	Stores
19	Para Formaldehyde	21.42		500 kg	24	Solid	Bags	T/M	25 Kg	Stores
20	OTBN	60.00		2.0 Ton	24	Solid	Bags	T/M	25 Kg	Stores
21	Sodium Azide	22.00		500 Kg	24	Solid	Bags	T/M	25 Kg	Stores
22	TEA Hcl	25.00		500 Kg	24	Solid	Bags	T/M	50 Kg	Stores
23	Sodium Nitrite	23.00		500 Kg	24	Solid	Bags	T/M	50 Kg	Stores
24	Trityl Chloride	83.00		2.5 Ton	24	Solid	Bags	T/M	50 Kg	Stores
25	Tri Ethyl Amine	293.00		7.5 Ton	24	Liquid	Drum	T/M	220 Lt	Stores
26	N Bromo Succinimide	45.00		1.5 Ton	24	Solid	Bags	T/M	25Kg	Stores
27	Sodium Meta Bisulphite	10.00		300 Kg	24	Solid	Bags	T/M	50 Kg	Stores

28	Butyl Chloro formyl Imidazole	45.00	1.2 Ton	24	Solid	Bags	T/M	50 Kg	Stores
29	Methyl 4 butyramido-3 methyl 5 nitro benzene	73.00	2.0 Ton	24	Solid	Bags	T/M	50Kg	Stores
30	Palladium carbon	3.00	50 Kg	24	Solid	Bags	T/M	10 Kg	Stores
31	N methyl benzene diamine	32.00	900 Kg	24	Liquid	Carboy	T/M	50 Kg	Stores
32	Poly phosphoric acid	165.00	3.0 Ton	24	Liquid	Carboy	T/M	35 Kg	Stores
33	OTBN methyl ester	73.50	1.0 Ton	24	Solid	Bags	T/M	50 Kg	Stores
34	N Butyl Bromide	400.00	10 Ton	24	Liquid	Drum	T/M	200 Lt	Stores
35	Tri n Butyl Amine	540.00	14 Ton	24	Liquid	Drum	T/M	200 Lt	Stores
36	Para Ansidine	190.00	5.0Ton	24	Solid	Bags	T/M	25 kg	Stores
37	Bis 2 chloro Ethyl Amine	200.00	5.0 Ton	24	Solid	Bags	T/M	50Kg	Stores
38	PNCB	250.00	6.0 Ton	24	Solid	Bags	T/M	50 Kg	Stores
39	Trans Sertraline Isomer	214.00	6.0 Ton	24	Solid	Bags	T/M	50 Kg	Stores
40	Cis Bromo benzoate	400.00	8 Ton	24	Solid	Bags	T/M	50 Kg	Stores
41	1H 1,2,4 Triazole	65.00	1.3 Ton	24	Solid	Bags	T/M	50 Kg	Stores
42	Methyl SulfonylChloride	94.00	1.9 Ton	24	Liquid	Drum	T/M	200 Lt	Stores
43	Benzoyl chloride	222.00	3.50 Ton	24	Liquid	Drum	T/M	200 Lt	Stores

Annexure -1

List of proposed products and Intermediates

S. No.	Name of the product	Quantity in MTPM
1	ES Omeprazole	2.0
2	Sertraline HCL	2.0
3	Levitracitam	1.5
4	Pentaprazole Sodium (Or) Clopidogre Bisulphate	2.0 0.5
5	Losertan Potassium (Or) Telmisertan	1.0 1.0
	Total	8.5 (max)
	Intermediates	
1	Tetra Butyl ammonium Bromide	10
2	1-(4-Methoxyphenyl) -4-(4-nitro phenyl) piperzine	6
3	Racemic sertraline hel	3
4	Cis mesilate	6
5	Benzyl tri Ethyl Amonium chloride	6
	Total	31 MTPM

The proposal was placed before the committee for appraisal.

The Proponent and Environmental Consultant Sri. Mahadevaswamy .P(obtained stay from the Hon'ble High Court of Karnataka) attended the meeting to provide clarification/additional information.

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

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

1. Details of adjacent industries and impact on the same from this industry
2. Scheme of design and capacity of the MEE proposed to be justified
3. Disposal of by-product details with MOU for disposal to be submitted
4. Safety measures proposed in the hydrogenation process to be explained in EIA
5. Process flow chart and number of reactors to be explained.

6. In the ambient air monitoring protocols, VOC is to be incorporated as one of the parameters
7. Solvent storage and solvent recovery system to be explained with process
8. Green chemistry adopted in the process to be highlighted
9. List of banned chemicals to be provided and alternatives to be suggested
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. Proposed greenery details with design to be provided.
12. To submit the copy of the original EC issued to KIADB to ascertain the nature of industry permitted in this industrial area.

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

194.36 Proposed Expansion of Software Development Projects at Sy.No.42/4B, 42/4C of Konappana Agrahara Village and Sy.No.13/1 of Doddanagamangala Village, Begur Hobali, Bangalore South Taluk, Bangalore District by M/s. Global Tech Park Pvt. Ltd. (SEIAA 36 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s.Global Tech Park Pvt Ltd DivyaSree Chambers , B Wing #11, O Shaugnessy Road Bangalore-560025.
2	Name & Location of the Project	Expansion of software development centres project at Sy .No.42/4B,42/4C of Konappana Agrahara Village and Sy.no13/1 of Doddanagamangala Village, Begur Hobali,Bangalore South Taluk Bangalore-560100.
3	Co-ordinates of the Project Site	12°50'55.22"N 77°40'48.40"E
4	Environmental Sensitivity	No 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	software development centres

	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	software development centres
	b.	Residential Township/ Area Development Projects	NA
6		Plot Area (Sqm)	50,062.76 sqm
7		Built Up area (Sqm)	Total Built up area = 1,72,476.16 sqm (Existing 81527.66 sqm and proposed is 90948.50 sqm) Total Built up area of existing Building is 81527.66 sqm (Exiting built up area Block -A is 21794.46 sqm Block-B is 59733.20 sqm Total built up area of proposed Block -F is 90948.50 sqm (3B+G+12UF)
8		Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	(3B+G+12UF)
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)	200
12		Recreational Area in case of Residential Projects / Townships	NA
13		Details of Land Use (Sqm)	
	a.	Ground Coverage Area	20252.18 Sqm(40.45%)
	b.	Kharab Land	NA
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	16520.7 (33.0%)Sqm
	d.	Internal Roads	8 mts Width
	e.	Paved area	13289.8 sqm (26.55 %)
	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)	30000						
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	The proposed project consists of 3 Basement of about 7138 sq.m. The total earth excavation is about 65000 m3 The depth of foundation for columns/pillars is 2 m below GL which result in additional earthwork excavation of about 2000 m3. Hence the total earth excavation is about 67000m3. The above about to 67000 m3 will be used within the project site for, landscaping of gardens and road making etc and excess is utilized for brick manufacture and used for levelling of our own land. The detailed report is submitting during the EIA report.						
	d.	Excess excavated earth (in cubic meter)	The detailed report is submitting during the EIA report.						
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	The detailed report is submitting during the EIA report.						
15	WATER								
	I.	Construction Phase							
	a.	Source of water	Our Existing STP						
	b.	Quantity of water for Construction in KLD	100 KLD						
	c.	Quantity of water for Domestic Purpose in KLD	13.5 KLD						
	d.	Waste water generation in KLD	10 KLD						
	e.	Treatment facility proposed and scheme of disposal of treated water	Treated in Existing STP						
	II.	Operational Phase							
	a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>432</td> </tr> <tr> <td>Recycled</td> <td>225</td> </tr> <tr> <td>Total</td> <td>657</td> </tr> </table>	Fresh	432	Recycled	225	Total	657
Fresh	432								
Recycled	225								
Total	657								
	b.	Source of water	BWSSB and KIADB						

c.	Waste water generation in KLD	600
d.	STP capacity	300 Existing and 330 KLD proposed
e.	Technology employed for Treatment	EASP
f.	Scheme of disposal of excess treated water if any	Zero Discharge
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	200
b.	No's of Ground water recharge pits	15
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	Given to BBMP authorities
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	2628 kg/day converted in to organic manur and used for garden
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	1752 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 and mode of Disposal as per norms	500 Kg/year given to PCB authorized recycler
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	
19	POWER	
a.	Total Power Requirement - Operational Phase	10000 kva
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	4Nos. of 1500 KVA as alternative source of power supply. The existing DG sets are 1500 KVA X 3 Nos, 750 KVA X 1 nos, 500 KVA X 1 Nos and 1010 KVA X 1 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	The detailed report is submitting during the EIA report.

	energy as per ECBC 2007	
20	PARKING	
a.	Parking Requirement as per norms	782
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	The detailed report is submitting during the EIA report.
c.	Internal Road width (RoW)	8 mts

The proponent and Environmental consultant Sri. Mudde Gowda (Obtained Stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

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

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

- 1) To submit the details of existing tree species trees to be felled and the list of trees proposed to be planted.
- 2) The carbon foot print from the construction activity and operation phase to be worked out and suitable offsets to be suggested.
- 3) ECBC 2009 norms and simulation to be considered while designing building and choice of building materials.
- 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 design for development of greenery/green belt 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.

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

Deferred Subjects

194.37 Ordinary Sand Quarry Activity of 22-00 Acres (8.90 Ha.) in Malaprabha River Bed, in Adjacent to Sy. Nos. 42-47, 49-52, 55 & 56(P) of Chikkadinkoppa Village, Khanapur Taluk, Belagavi District, Karnataka of Sri Manjunatha Shetty (SEIAA 78 MIN 2017)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Manjunatha Shetty S/o. Sri. Anand Shetty 13, Saroj 10th Cross, A Block Basaveshwara Nagar Haveri - 581110, Karnataka		
2	Name & Location of the Project	Ordinary Sand Quarry Activity of 22-00 Acres (8.90 Ha.) in Malaprabha River Bed, Block No. 01, in Adjacent to Sy. Nos. 42-47, 49-52, 55 & 56(P) of Chikkadinkoppa Village, Khanapur Taluk, Belagavi District, Karnataka.		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 15° 39' 51.9"	E 74° 36' 39.2"
		B	N 15° 40' 10.1"	E 74° 36' 43.5"
		C	N 15° 40' 13.3"	E 74° 37' 01.5"
		D	N 15° 40' 11.0"	E 74° 37' 01.3"
		E	N 15° 40' 06.8"	E 74° 36' 44.6"
F	N 15° 39' 50.7"	E 74° 36' 41.9"		
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land		
7	Whether the project site fall within ESZ/ESA	Not Applicable		
8	Area in Ha	8.90 Ha.		
9	Actual Depth of sand in the lease area in case of River sand	4.0m		
10	Depth of Sand proposed to be removed	1.0m		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	1,54,800 tonns for a period of five years		
12	Quantity of Topsoil/Over	Nil		

	burden in cubic meter		
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	17,200 tonns for a period of five years	
14	Project Cost (Rs. In Crores)	14 Lakhs	
15	Environmental Sensitivity		
	a. Nearest Forest	Hadalgi RF : 4.55 Km S-SW Chandu Dongar RF : 9.75 Km SW Nittur RF : 13.3 Km W-NW	
	b. Nearest Human Habitation	Chikkadinkoppa village - 0.8 Km	
	c. Educational Institutes, Hospital	None	
	d. Water Bodies	Sagri Nala : 12.55 Km S-SE Chikkadinkoppa Lake : 0.6 Km SE Hiremonavalli Lake : 1.45 Km E Hosur Lake : 6.6 Km W-NW Kallarkoppa Lake : 11.35 Km N Gadikarvinkop lake : 12.4 Km NE Kodatan Bagevadi Lake : 6.7 Km E Junjvad Lake 10.55 Km S-SE Gadikop Lake 3.65 Km NE	
	e. Other Specify	None	
16	Applicability of General Condition of the EIA Notification, 2006	None	
17	Details of Land Use in Acres		
	a. Area for Mining/ Quarrying	12-15 Acres	
	b. OB/Dump	1-00 Acres	
	c. Top Soil Storage Area	-	
	d. Mineral Storage Area	-	
	e. Infrastructure Area	1-00 Acre	
	f. Road Area	-	
	g. Green Belt Area	7-25 Acres	
	h. Unexplored area	-	
	i. Others Specify	None	
18	Method of Mining/ Quarrying	Opencast Semi-mechanized Mining	
19	Water Requirement		
	a. Source of water	Nearby Borewells	
	b. Total Requirement of Water in KLD	Dust Suppression	3.0 KLD
		Domestic	0.11 KLD
		Other	None
		Total	3.11 KLD
20	Storm water management plan	Ordinary sand mining will be done during Non-Monsoon season	

The Proponent and Environmental consultant Sri Ashwath Narayana (Obtained stay from Hon'ble High Court of Karnataka) attended the 189th meeting held on 14th, 15th and 16th December 2017 to provide required clarification/additional information.

The committee while appraising the proposal observed that the proponent has produced cluster certificate and it has been uploaded in the eportal also. Also the lease mining area covers entire width of the river without leaving mandatory 10% buffer from the banks. This amounts to mining under water (instream mining) which is not permissible. The proponent has agreed to modify the entire quarry plan as per MoEF guidelines with reference to dry weather flow level and upload the same to the e-portal.

The committee after discussion decided to defer the proposal.

Now the proponent has submitted the additional details. As per the plan and section of the sand block now submitted average width of the block is 50 meter and average width of the river is 90 meters and the buffer left on both right and left side banks is 20 meters each. The average level of the top of the deposit is 640.0 meter and average RL dry weather flow is 638.0 meter. The depth of the deposits is 4.0 meter and depth of mining proposed is 1.0 meter thus the bottom level of the quarrying pit will be 1.0 meter above the dry weather flow. The proponent has proposed to take up mining by dividing the mining area into three sub blocks and taking up mining in one sub block each year and after three years he has proposed to take up mining by dividing into two sub blocks and taking up mining in one block each year i.e., 4th and 5th year. The proponent has also stated that he will take further mining after three years only after complete replenishment thus keeping the depth of mining to 1.0 meter at any point of time during the mining. As per the joint sketch furnished, the DMG has certified that there are no other blocks within the 500 meter distance from this block, however the DMG has mentioned two villages in the cluster certificate for which the proponent has agreed to get the cluster certificate corrected and submit the same.

The proponent has stated that he has identified the land for stock yard at a distance of 40 meter from the river bank which is on the private land for which he has stated he has entered into an MOU with the land owner. He has also stated that there is an existing cart track road connecting river bank with the stockyard and proceeding further to join the existing black topped village road at 750 meters. It is envisaged with a production plan of 1,54,800 tonns excluding wastages with a lease period of five years.

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

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

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

194.38 Ordinary Sand Quarry Activity of 22-00 Acres (8.90 Ha.) in Malaprabha River Bed, Block No. 02, in Adjacent to Sy. Nos. 262, 261, 258, 257, 256, 243-246, 234-236, 221-232 & 216-220 of Gonnagar Village, Ramdurg Taluk, Belagavi of Sri. Manjunatha Shetty (SEIAA 79 MIN 2017)

Sl. No	PARTICULARS	INFORMATION		
1	Name & Address of the Project Proponent	Sri. Manjunatha Shetty S/o Anand Shetty No. 13, Saroj 10th Cross, A- Block, Near Basaveshwara Nagar, Haveri, Karnataka - 581110		
2	Name & Location of the Project	Ordinary Sand Quarry Activity of 22-00 Acres (8.90 Ha.) in Malaprabha River Bed, Block No. 02, in Adjacent to Sy. Nos. 262, 261, 258, 257, 256, 243-246, 234-236, 221-232 & 216-220 of Gonnagar Village, Ramdurg Taluk, Belagavi District, Karnataka		
3	Co-ordinates of the Project Site	C. P	Latitude	Longitude
		A	N 15° 55' 38.7"	E 75° 22' 49.4"
		B	N 15° 55' 39.0"	E 75° 22' 48.9"
		C	N 15° 55' 11.4"	E 75° 23' 03.1"
		D	N 15° 55' 10.1"	E 75° 23' 04.7"
		E	N 15° 55' 06.9"	E 75° 23' 37.2"
		F	N 15° 55' 07.5"	E 75° 23' 37.1"
		G	N 15° 55' 11.4"	E 75° 23' 05.8"
H	N 15° 55' 11.9"	E 75° 23' 03.9"		
4	Type of Mineral	Ordinary Sand		
5	New / Expansion / Modification / Renewal	New		
6	Type of Land [Forest, Government Revenue, Gomal,	Government Revenue Land		

	Private/Patta, Other]	
7	Whether the project site fall within ESZ/ESA	Not Applicable
8	Area in Ha	8.90 Ha.
9	Actual Depth of sand in the lease area in case of River sand	4.5m
10	Depth of Sand proposed to be removed	1.25 m
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	3,40,496 tonns for a period of five years.
12	Quantity of Topsoil/Overburden in cubic meter	Nil
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	37, 831 tonns for a period of five years.
14	Project Cost (Rs. In Crores)	15 Lakhs
15	Environmental Sensitivity	
	a. Nearest Forest	Idgal Reserve Forest : 2.9 Km N Umtar RF : 7.2 Km NE Honaligudda RF : 9.5 Km NE Oblapur RF : 11.15 Km NW Aneguddi RF : 11 Km NNW Kakanur RF : 3.6 Km ENE Tapaskatti RF : 4.4 Km E
	b. Nearest Human Habitation	Gonnagar village - 1.3 Km
	c. Educational Institutes, Hospital	None
	d. Water Bodies	Hosur lake : 3.45 Km WSW Jaul Halla : 8.05 Km SSW Mudkavi lake : 5.6 Km N Kagi Halla : 8.9 Km SW Benakankop lake : 14.15 Km SSW
	e. Other Specify	None
16	Applicability of General Condition of the EIA Notification, 2006	None
17	Details of Land Use in Ha	
	a. Area for Mining/ Quarrying	22.00 Acres
	b. Waste Dumping Area	-
	c. Top Soil Storage Area	-
	d. Mineral Storage Area	-
	e. Infrastructure Area	-
	f. Road Area	-
	g. Green Belt Area	-
	h. Unexplored area	-

	i.	Others Specify	None	
18		Method of Mining/ Quarrying	Opencast Semi-mechanized Mining	
19		Water Requirement		
	a.	Source of water	Nearby borewells	
	b.	Total Requirement of Water in KLD	Dust Suppression	6.0 KLD
			Domestic	0.15 KLD
			Other	None
			Total	6.15 KLD
20		Storm water management plan	Ordinary sand mining will be done during Non-Monsoon season	

The Proponent and Environmental consultant Sri. Ashwath Narayana (Obtained stay from Hon'ble high Court of Karnataka) attended the 189th SEAC meeting to provide required clarification/additional information.

The committee while appraising the proposal observed that the proponent has not submitted the replenishment data which is mandatory.

The committee after discussion decided to defer the proposal.

The proponent has submitted the replies and proposal is placed before the committee for appraisal. As per the information now furnished the proponent has left 50 meter buffer zone after every 1000 meter and he has also submitted the replenishment data.

As per the plan and section of the sand block now submitted average width of the block is 40.135 meter and average width of the river is 61.2 meters and the buffer left on both the right and left side banks is 10 meters each. The length of block considered for mining is 2000 meter. The average level of the top of the deposit is 554 meter and average RL of dry weather flow is 551.5 meter. The depth of the deposits is 4.5 meter and depth of mining proposed is 1.25 meter thus the bottom level of the quarrying pit will be 1.25 meter above dry weather flow. The proponent has proposed to take up mining by dividing the mining area into three sub blocks and taking up mining in one sub block each year and after three years he has proposed to take up mining by dividing into two sub blocks and taking up mining in one block each year i.e., 4th and 5th year. The proponent has also stated that he will take further mining after three years only after complete replenishment thus keeping the depth of mining to 1.25 meter at any point of time during the mining. As per the joint sketch furnished the DMG has certified that there are two blocks including this block within 500 meter the combined area of which is 44 acres which is less than threshold limit of 25 hectares and hence this proposal is considered as individual proposal and apprised accordingly however the DMG has mentioned two villages in the cluster certificate and also there is no mention about another block in the cluster certificate for which the proponent has agreed to get the cluster certificate corrected and submit the same.

The proponent has stated that he has identified the land for stock yard at a distance of 70 meter from the river bank which is on the private land for which he has stated he has entered into an MOU with land owner. He has also stated that there is an existing cart track road connecting river bank with the stockyard and proceeds further to join the existing black topped village road at 660 meters. It is envisaged with a production plan of 3,40,496 tonns excluding wastages with a lease period of five years.

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

- 1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
- 2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
- 3) The overall depth of mining shall not exceed 1.25 meter from the top level at any point of time during the lease period.
- 4) To get the cluster certificate corrected by the DMG and shall be submitted.

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

Reconsideration Subjects:

194.39 Proposed expansion of Residential Apartment "Uber Verdant" at Sy.No.20/1, 20/2, 20/3, 20/5, 21/1B, 24/2, 24/4, 25/4, 25/6 of Doddakannalli Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru by M/s. Mana projects Pvt Ltd.,(SEIAA 22 CON 2018)

Sl. No.	PARTICULARS	INFORMATION
1.	Name & Address of the Project Proponent	Mr. Soni, General Manager, M/s. Mana Projects Pvt. Ltd., Swamy Legato, No. 20/7, 3 rd Floor, Kadubisanahalli, Marathalli Outer Ring Road, Bengaluru - 560 103
2.	Name & Location of the Project	Uber Verdant - Expansion of Residential Apartment Sy. No. 20/1, 20/2, 20/3, 20/5, 21/1B, 24/2, 24/4, 25/4 & 25/6 Doddakannalli Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru
3.	Co-ordinates of the Project Site	Latitude : 12 Deg 54 Min 24.50 Sec N Longitude : 77 Deg 42 Min 05.61 Sec E
4.	ENVIRONMENTAL SENSITIVITY	

a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Tertiary Nala is running on the northern part of the site, therefore 25m buffer has been given from the edge of the nala
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	Tertiary Nala is running on the northern part of the site, therefore 25m buffer has been given from the edge of the nala
5.	TYPE OF DEVELOPMENT	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Residential Apartment - Expansion
b.	Residential Township/ Area Development Projects	NA
6.	Plot Area (Sqm)	39,962.37 Sqm
7.	Built Up area (Sqm)	1,49,211.07 Sqm
8.	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Proposed expansion project is coming up with 614 Nos. of residential units in 2B+GF+13UF.
		Total no of units including expansion - 894 Nos
9.	Number of units in case of Construction Projects	Proposed expansion project is coming up with 614 Nos. of residential units in 2B+GF+13UF.
		Total no of units including expansion - 894 Nos
10.	Number of Plots in case of Residential Township/ Area Development Projects	
11.	Project Cost (Rs. In Crores)	Rs. 157.52 Crores (Expansion)
12.	Recreational Area in case of Residential Projects / Townships	-
13.	DETAILS OF LAND USE (SQM)	
a.	Ground Coverage Area	8,845.48 Sqm
b.	Kharab Land	1011.70 Sqm
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	16,188.40 Sqm
d.	Internal Roads	9,535.24 Sqm
e.	Paved area	-
f.	Others Specify	Road widening area = 135.88 Sqm Civic amenities = 1,948 Sqm Services & Utilities = 2,297.67Sqm
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
h.	Total	39,962.37Sqm
14.	DETAILS OF DEMOLITION DEBRIS AND / OR EXCAVATED EARTH	
a.	Details of Debris (in cubic meter/MT) if it involves Demolition	There is no demolition work

		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)	34,973 m ³						
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	34,973 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	Excavated soil is used within the project site						
15.	WATER								
	I.	Construction Phase							
	a.	Source of water	External Tanker water suppliers & BWSSB tertiary treated water						
	b.	Quantity of water for Construction in KLD	71 KLD						
	c.	Quantity of water for Domestic Purpose in KLD	27 KLD						
	d.	Waste water generation in KLD	25.65 KLD						
	e.	Treatment facility proposed and scheme of disposal of treated water	Domestic sewage generated during construction phase will be discharged to UGD						
	II.	Operational Phase							
	a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>276 KLD</td> </tr> <tr> <td>Recycled</td> <td>138 KLD</td> </tr> <tr> <td>Total</td> <td>414 KLD</td> </tr> </table>	Fresh	276 KLD	Recycled	138 KLD	Total	414 KLD
Fresh	276 KLD								
Recycled	138 KLD								
Total	414 KLD								
	b.	Source of water	BWSSB						
	c.	Waste water generation in KLD	393 KLD						
	d.	STP capacity	400 KLD						
	e.	Technology employed for Treatment	Sequential Batch Reactor (SBR) Technology						
	f.	Scheme of disposal of excess treated water if any	Excess 90 KLD will be discharged to UGD						
16.	INFRASTRUCTURE FOR RAINWATER HARVESTING								
	a.	Capacity of sump tank to store Roof run off	708 m ³						
	b.	No's of Ground water recharge pits	31 Nos.						
17.	Storm water management plan		Internal garland drains will be provided within the site in order to carry out the storm water into the recharge pits and will be managed within the site, excess runoff will be routed in to the external storm water drain.						
18.	WASTE MANAGEMENT								
	I.	Construction Phase							
	a.	Quantity of Solid waste generation	The domestic solid wastes will be minimal as there is						

	and mode of Disposal as per norms	no provision of labor colony; the generated domestic solid waste will be handed over to outside vendors. Construction debris -150 m ³ This will be reused within the site for road and pavement formation	
II.	Operational Phase		
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	921 kg/day	This will be segregated at household levels and will be processed in proposed organic waste converter.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	614 kg/day	Recyclable wastes will be handed over to authorized waste recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil Generation : 0.486 L/ running hour of DG Hazardous wastes like waste oil from DG sets, used batteries etc. will be handed over to the authorized hazardous waste recyclers.	
d.	Quantity of E waste generation and mode of Disposal as per norms	E-Wastes will be collected separately & it will be handed over to authorized E-waste recyclers for further processing.	
19.	POWER		
a.	Total Power Requirement - Operational Phase	2,680 kW	
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	250kVA - 4 Nos.	
c.	Details of Fuel used for DG Set	209.52 L/hr	
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	1) Solar heaters 2) VFD for pumps 3) VFD for lifts 4) Solar lightings 5) LED 6) CFL The overall energy savings is around 25 %	
20.	PARKING		
a.	Parking Requirement as per norms	780 Nos.	
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards Sarjapur Road	Existing traffic (LOS) E
		Outer Ring Road	E
c.	Internal Road width (RoW)	26.7 m (ROW)	

The Proponent and Environmental consultant attended 193rd meeting held on 17th February 2018 to provide required clarification/additional information.

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

The committee observed from the village survey map, that there are two nalas, one crossing in the survey number 20, in north east corner and another nala running in survey number 21 adjacent to survey number 20. This is further continued in survey number 21/1B in the south west corner. But as per the survey conducted in accordance with the Hon'ble High Court order to ascertain the location and extent of water bodies, the nala which is cutting across survey number 20 in the north east corner has not been taken cognizance and reported the non existence of this nala. Also it is observed in the survey map that, there is a Kunte (small lake) and this is also not taken in to consideration by the land survey authorities as it is non existent. The kharab land to an extent of 6 guntas wherein the lake was existing is also under the process of regularizing in favour of the proponent and copies of the documents have also been submitted to this effect during the appraisal. The proponent has stated that he has left the required buffer zone as per the NGT order for the nalas located in survey number 21. As per the concept plan the portion left after the buffer zone is earmarked for civic amenities. The earlier EC was for a built up area of 50,585.01 sqmts in six wings. Now the proposal is for a built up area of 1,49,211.07 sqmts spread over in 11 wings. The proponent also stated that there is no vertical expansion proposed over the six wings for which EC has already been issued. The earlier proposal was for a plot area of 12,433 sqmts and the present proposal is for 39,962.37 sqmts overall and proponent has stated that he has acquired additional land after the first EC was issued. The proponent has stated that the construction in the earlier proposal has been completed and ready for occupation and issual of occupation certificate(OC) is under process. Since, the project proposal is almost near to the threshold limit of 1,50,000 sqmts, the proponent has agreed to submit the detailed calculation about the built up area.

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

- 1) The proponent shall submit the detailed calculation about the built up area of the project.
- 2) The proponent shall submit the projected traffic scenario.
- 3) The proponent to submit scheme to plant additional 500 trees as per norms.

The proponent has submitted the replies vide dated:27-2-2018.

The committee perused the replies and accepted the same.

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

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

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

With the permission of the Chairman

194.40 Proposed establishment of Industrial Area Project at Immavu & Thandavapura Village, Nanjangud Taluk, Mysore By Karnataka Industrial Areas Development Board (SEIAA 24 IND 2017)

Sl. No.	Particulars		Information
1.	Name & Address of the project		Establishment of Industrial area at "Immavu and Thandavapura" village, Nanjangud taluk, Mysore Dist, Karnataka for KIADB's
2.	Name & Location of the Project		Establishment of Industrial area at "Immavu and Thandavapura" village, Nanjangud taluk, Mysore Dist, Karnataka for KIADB's
3.	Co-ordinates of the Project site		Immavu Industrial Area: 12°10'26.56" N & 76°42'50.80" E Thandya Industrial Area: 12°10'34.68" N & 76°41'24.21" E
4.	Environmental Sensitivity		
5.	a.	Distance from Nearest Lake/River/Nala	Kabini river is located at about 2.1 KM from the project site. A Yenne hole perennial stream is crossing in between the proposed Immavu industrial area. The site is located on either side of the stream. The stream will be left unaltered; rather it will be strengthened. As per NGT directive buffer zone of 50m on either side of the stream will be maintained.
	b.	Distance from protected area notified under wildlife protection act	There is no protected wild life area in the study area of 10 KM radius
	c.	Distance from the interstate boundary	50 KM from the project site
	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		Industrial Estates/Parks/Complexes/areas, item no.7©, Category "B"
6	New/Expansion/Modification/Product mix change		New industrial Area.
7	Plot Area (Sq.M)		Total area of the proposed

		industrial area is 465.26 hectare(1149.21 acre)	
8	Component of development	It is an area development projects	
9	Project cost (Rs in Crore)	Rs.123.8 crore(Rs.65 crore for immavu and 58.8 crore for Thandya industrial area)	
10	Details of land use (Sq.m)ok		
	a.	Ground coverage area	2761372.48
	b.	Kharab land	68553.74
	c.	Internal Roads	437586.585
	d.	Paved area	-
	e.	Parking	104125.62
	f.	Green belt	1109607.56
	g.	Others specify	169441.88
	h.	Total	4650687.869
11	Complete process flow diagram and technology employed	The area will be developed for industrial entrepreneurs.	
12	Water		
	I.	Construction Phase	
	a.	Source of water	Kabini river
	b.	Quantity of water for Construction in KLD	About 19300 KLD (5 MGD) of surface water from kabini river is sanctioned for the Nanjangud industrial area by irrigation department. Sufficient amount of water for construction will be utilized from the kabini river
		Quantity of water for Domestic purpose in KLD	Sufficient amount of water for domestic will be by KIADB to individual entrepreneurs.
	d.	Waste water generation in KLD.	Will be taken care by individual entrepreneurs.
	e.	Treatment facility proposed and scheme of disposal of treated water	Will be taken care by individual entrepreneurs
	II.	Operational phase	
	a.	Source of water	Kabini river
	b.	Total Requirement of water in KLD	Fresh As per KIADB norms (1000 acres of land requires 4535 KLD), the expected water requirement for Immavu and Thandya industrial area are 7610 KLD
			Recycled -
		Total 7610 KLD	
13	Infrastructure for Rain water harvesting	Provided	
14	Storm water management plan	Provided	
15	Air pollution		

	a.	Source of Air pollution	<p>During construction phase it will be from movement of man & material, heavy earth moving machineries, etc. These emissions will be for short period limited to construction phase.</p> <p>During operation air pollution is anticipated from industrial process and from DG operation during power failure.</p>	
	b.	Composition of Emissions	PM ₁₀ , PM _{2.5} SO ₂ etc	
	c.	Air pollution control measures proposed and technology employed	Fugitive emissions are expected from material handling/storage areas and transportation activities. These emissions will be controlled by water spraying periodically. During transportation the vehicles shall be covered with tarpaulin.	
16	Waste Management			
	I.	Operational phase		
	a.	Quantity of solid waste generated per day and their disposal	Biodegradable	Will be taken care by individual entrepreneurs
			Non-biodegradable	Will be taken care by individual entrepreneurs
	b.	Quantity of Hazardous waste generation with source and mode of disposal as per norms	Will be taken care by individual entrepreneurs	
c.	Quantity of Ewaste generation with source and mode of disposal as per norms	Will be taken care by individual entrepreneurs.		
17	POWER			
	a.	Total power requirement in the operational phase with source	The source of power will be KPTCL. About 12 MW power will be drawn from 66 KV substation which is located 3 KM from the project site	
	b.	Energy Conservation plan and percentage of savings including plan for utilization of solar energy as per ECBC 2007	Will be taken care by individual entrepreneurs.	
18	Parking			
	a.	Parking Requirement as per norms	Provided	
	b.	Internal Road width (RoW)	Provided.	

The proponent and Environmental consultant attended the 190th SEAC meeting held on 29th and 30th December 2017 to provide required clarification/ additional information. But the proponent stated that he is not prepared to make the presentation.

Hence the committee decided to defer the proposal.

The proponent and Environmental consultant attended 192nd meeting held on 30th and 31st January 2018 to provide required clarification/additional information.

The committee opined that the additional TOR if any can be issued only after site visit, keeping in view of the possible impact of this project on Kabini river and surrounding areas.

The committee made the site visit on 24-2-2018 with the following committee members:

Members Present:-

State Level Expert Appraisal Committee (SEAC).

1. Shri. N.Naganna, Chairman, SEAC
2. Shri B.Chikkappaiah, IFS, (Retd)-Member, SEAC
3. Dr. N.Krishnamurthy, Member, SEAC
4. Shri. D.Raju, Member, SEAC
5. Dr. M.I.Hussain-Member, SEAC
6. Shri M.Srinivasa, Member, SEAC
7. Shri.Vyshak V. Anand, Member, SEAC

Officers accompanied :- Sri. G.V Raviprasad, Scientific Officer, SEAC.

The inspection report detailed below was placed in the meeting for perusal.

Inspection notes by SEAC on 24.02.2018 to the proposed Industrial Area Project at Thandya 2nd Phase & proposed industrial area at Immavu, Nanjangud Taluk, Mysore by Karnataka Industrial Areas Development Board (SEIAA 24 IND 2017).

Members Present:-

State Level Expert Appraisal Committee (SEAC).

1. Shri. N.Naganna, Chairman, SEAC
2. Shri B.Chikkappaiah, IFS, (Retd)-Member, SEAC
3. Dr. N.Krishnamurthy, Member, SEAC
4. Shri. D.Raju, Member, SEAC
5. Dr. M.I.Hussain-Member, SEAC
6. Shri M.Srinivasa, Member, SEAC
7. Shri.Vyshak V. Anand, Member, SEAC

Officers accompanied :- Sri. G.V Raviprasad, Scientific Officer, SEAC.

Karnataka Industrial Areas Development Board (KIADB).

1. Shri M.Rama, Development Officer & Executive Engineer.
2. Shri S.L.Shivaswamy, Deputy Development Officer & A E E
3. Shri K.S Manu, Engineer-Section Officer for Thandya- 2nd Phase Industrial Area
4. Shri H.C.Shivalingiaha, Assistant Engineer-Section Officer for Immavu Industrial Area

Consultant:-

M/s MECON Limited, Ranchi- Represented by Shri. Sasikumar.

In the 192nd SEAC meeting held on 30th and 31st January, 2018, Wherein the proponent and Environmental consultant attended the meeting, the committee opined that the additional ToR if any can be issued only after site visit, keeping in view of the possible impact of this project on Kabini river and surrounding areas. To this effect, the committee visited the site and made the following observations:-

The combined sketch prepared for proposed Industrial Area at Thandya 2nd phase and existing Industrial Area at Adakanahalli & Proposed Industrial Area at Immavu was seen. The present proposal for proposed Industrial layout at Thandya- 2nd Phase and Proposed industrial area Immavu was persued.

The proposed Industrial area at Thandya 2nd Phase is to an extent of of 649.21 acres and the proposed Industrial area at Immavu is to an extent of 500 acres. Now, the proposal is for combined areas of Industrial area at Thandya 2nd phase and proposed Industrial area at Immavu. The area proposed is not fenced and boundry area is identified by fixing stone pillers. It is observed that there is one major Natural Nala (Perennial Drain) in the boundary between Thandya 2nd phase and existing Kadakola Industrial Area. As per the concept plan and as observed at site there are 4 irrigational canals criss crossing in the proposed Industrial area in Thandya 2nd Phase. The proponent has stated that the Irrigation canals are defunct. However, no confirmation from the Irrigation Department has been obtained. Natural Nalas are flowing to Kabini river which is 2.1 Kms from the project.

The KIADB has formed a road in East-West Direction passing across existing Industrial area at Adakanahalli and the same is proposed to be continued in Northern direction to connect porposed industrial Area at Immavu. Some portion of this road running in non KIADB land and the proponent stated that this is in Government land which has not yet been transferred to KIADB. There is one Major Natural Nala running on the Western side of the land proposed layout and all along this nala good lot of bountiful crops were seen.

There is one primary Nala running across the land and also there is one more nala, the category of which is to be ascertained and all these two nalas are joining Yennehole which is a Tributary of Kabini river.

There is a forest area adjacent to the proposed industrial area at Immavu and the proponent has stated that it is not a reserve forest and has agreed to obtain clarification from Forest Department. It is observed that lined irrigation canals are criss crossing the proposed industrial area at Immavu the area reserved for this layout and this area is to be denotified from notified command area before formation of Industrial layout. All necessary clearances from the Irrigation Department should be obtained and submitted.

The Area proposed is neither fenced nor demarcated. The proponent has stated that the land acquisition process has already been completed and all land is in possession.

The Committee perused the site inspection report and based on the inspection report decided to recommend to SEIAA for issual of Standard ToR and the following additional TOR for conducting EIA study in accordance with EIA Notification 2006 along with relevant guidelines.

- 1) The details of the land records indicating the existence of kharab land may be furnished.
- 2) Comparative analysis of the surface water with reference to Kabini river conducted in the earlier proposals of KIADB and the present analysis may be made and submitted.
- 3) Comparative analysis of the ground water conducted in the earlier proposals of KIADB and the present analysis shall be conducted and submitted.
- 4) Comparative analysis of the Ambient Air quality conducted in the earlier proposals of KIADB and the present analysis may be made and submitted.
- 5) To submit the proposal to bifurcate the industrial plots and residential plots with thick tall vegetative barrier/ green belt.
- 6) Issues raised by the public and specific assurance given by the proponent along with financial allocation may be furnished.
- 7) Details of vegetative barrier with tall, broad leaved native tree species all round the project area to a minimum width of 15 meter may be furnished.
- 8) Pollution from point sources affecting the kabini river water quality to be identified.
- 9) List of industries using online monitoring systems in the surrounding area may be furnished.

- 10) The details schematic of CETP and location proposed may be furnished.
- 11) Provide the details of the efficiency and performance of the CETP in the surrounding industrial park established by KIADB.
- 12) Mitigation measures for the perennial nala between Thandya 2nd stage and existing Kadakala industrial area .
- 13) The issues raised during public hearing & commitment of the Proponent of the same along with time bound action plan to implement the commitment & financial allocation there to should be clearly provided.
- 14) The Proponent should carry out social impact assessment that the project as per OM Dated: 21-8-2014 issued by the Ministry regarding guidelines on environment sustainability & enterprise social commitment(Esc) related issued. The social impact assessment studies so carried out should form part of EIA & EMP report.
- 15) The proponent to enumerate the species wise trees existed in each farmers land & compensation paid. Further number of trees to be retained and cut & proposal to plant three trees for one tree cut.
- 16) The proponent to come up with a detailed scheme of not less than 15 meters wide three tired green belt all along the project boundary with indigenous broad leaved trees.
- 17) The proponent to propose to protect natural nala banks with suitable native species including bamboos without diverting usual course & create a micro climate for avifauna.
- 18) Detailed monthly baseline water quality reporting of yennehole(water Collection points selection upstream, mid and downstream of the industrial area) bordering the proposed industrial area and kabini river at point of confluence of yennehole and kabini river.
- 19) Quantification of total rainwater potential flow and discharge into yennehole of in each nala identified in the combined sketch and as per village revenue sketch.
- 20) Detail designs of rain lined water storage structures/features, such as but not limited to impermeable line tanks near downstream of nalas, check dams, water impounding structures.

21) Estimate the total carbon footprint from the proposed development and expected subsequent future development suggest suitable carbon offsets to reduce the footprint as much as possible to near zero.

22) A detailed design of storm water network to be shared which includes a retention tanks/flood control tank, grease trap to avoid direct discharge into the nalas and subsequently to Yennehole tributary of Kabini.

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

194.41 Proposed Sand Quarry Project in Block No.OSB-06 at Sy.No 88 of Byalahunasi Village, Huvina Hadagali Taluk, Ballari District (14.82 Acres) By Sri Gurunath K. Danappanavar (SEIAA 96 MIN 2017)

Sl. No	PARTICULARS	INFORMATION
1.	Name & Address of the Project Proponent	Sri. Gurunath K. Danappanavar Khamadolli Village, Haliyal Taluk, Uttara Kannada District.
2	Name & Location of the Project	"Sand Quarry at Byalahunasi Sand Mining Block - BLY - OSB-06 in Tungabhadra River Bed" over an extent of 14.82 Acres (6.00 Ha) part of Sy. No. 88 in Byalahunasi village, Huvina Hadagali Taluk, Ballari District, Karnataka
3	Co-ordinates of the Project Site	Latitude: N 14° 56' 41.2" to N 14° 56' 37.4" Longitude: E 75° 41' 44.5" to E 75° 41' 45.9"
4	Type of Mineral	Ordinary Sand Quarry
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	11.0 Ha
9	Actual Depth of sand in the lease area in case of River sand	3.00m
10	Depth of Sand proposed to be	0.6 mtr/year

	removed		
11	Annual Production Proposed (Metric Tons/ CUM) / Annum .	51,850.4 Tons/annum (Maximum Capacity)	
12	Quantity of Topsoil/Over burden in cubic meter	No Top soil	
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	1,058.2 TPA (Maximum generation)	
14	Project Cost (Rs. In Crores)	1.01 crores	
15	Environmental Sensitivity		
	a. Nearest Forest	None within 5 kms	
	b. Nearest Human Habitation	Byalahunse Village - 0.25 Kms(NE)	
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Huvina Hadagali.	
	d. Water Bodies	This is a river sand mining project. The site is in Tungabhadra River Bed	
	e. Other Specify	--	
16	Applicability of General Condition of the EIA Notification, 2006	Not applicable	
17	Details of Land Use in Ha		
	a. Area for Mining/ Quarrying	5.12	
	b. Waste Dumping Area	0.035	
	c. Top Soil Storage Area	--	
	d. Mineral Storage Area	--	
	e. Infrastructure Area	--	
	f. Road Area	--	
	g. Green Belt Area	0.825	
	h. Unexplored area	--	
	i. Others Specify	0.02 (Screening Area)	
18	Method of Mining/ Quarrying	Semi-Mechanised Method	
19	Water Requirement		
	a. Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b. Total Requirement of Water in KLD	Dust Suppression	3.5 KLD
		Domestic	0.7 KLD
		Other	0.7 KLD
		Total	4.9 KLD
20	Storm water management plan	River course will not be altered hence no storm water management plan is required	

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

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

The proponent was invited for the 192nd meeting held on 30th and 31st January 2018 to provide required clarification. The proponent remained absent again.

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

The proponent has made a request to the committee to consider his subject in the ongoing meeting. The committee accepted the same and gave him an opportunity to present his proposal.

The proponent and his consultant attended the meeting to provide required information.

As observed from the application made out by the applicant, the extent of lease area in the application is 14.82 acres or 6 Hectares, whereas in the check list it is mentioned as 11.00 hectares. In the mining plan all other relevant documents the lease area mentioned is 14.82 acres.

As observed from the mining plan the length of the block is 492 meters and average width of the block is 122.48 meters. The average width of the river is 454 meters. The average level of the top of the deposit is RL 509 meters and average level of the dry weather flow is RL 507.3 meters. The depth of mining proposed is 0.6 meters and hence the bottom of the mining pit will be RL 508.4 meter. The proponent is proposing to take up mining for the entire area and to a depth of 0.6 meter every year and he has agreed to take up mining after first year only after full replenishment.

The stock yard is proposed on a private land at 140 meter from the river bank for which the proponent has obtained MOU. The proponent has stated that there is a cart track road starting from river bank connecting the stock yard at 140 meter and proceeding further to a length of 210 meters joining MDR. It is envisaged with a production plan of 2,41,069.70 tonns with a lease period of five years.

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

- 1) In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
- 2) The proponent shall stabilize the river bank with waste materials like pebbles and planting with khus grass and suitable plant species.
- 3) The overall depth of mining shall not exceed 0.6 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.

194.42-Proposed sandquarry project in Block No.4 at Sy. No.43 to 46, 56 to 58,68,69,86,87,90,91,93 to 96 of Mundaganur village, Bilagi Taluk, Bagalkot District(38-0 Acres) by Sri Narayan R Hadimani (SEIAA 16 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri Narayan R. Hadimani, S/o. Rangappa, Chikk-Sanal, Devinal, Bagalkot Taluk, Bagalkot District.
2	Name & Location of the Project	"Sand Quarry at Mundaganur 1 Sand Mining Block - 4 in Krishna River Bed" over an extent of 38-00 Acres (15.38 Ha) part of Sy. No. 43 to 46, 56 to 58, 68, 69, 86, 87, 90, 91, 93 to 96 in Mundaganur village, Bilagi Taluk, Bagalkote District, Karnataka
3	Co-ordinates of the Project Site	Latitude: N 16° 31' 29.0" to N 16° 31' 27.30" Longitude: E 75° 26' 26.3" to E 75° 26' 25.3"
4	Type of Mineral	Ordinary Sand Quarry
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	15.38 Ha
9	Actual Depth of sand in the lease area in case of River sand	3.50m
10	Depth of Sand proposed to be removed	1.00 mtr/year
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	1,00,000 Tons/annum (Maximum Capacity)
12	Quantity of Topsoil/Over burden in cubic meter	No Top soil
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	11,111.11 TPA (Maximum generation)
14	Project Cost (Rs. In Crores)	1.2 crores
15	Environmental Sensitivity	
	a. Nearest Forest	None within 5 kms
	b. Nearest Human Habitation	Mundaganur Village - 1.30 Kms(W)

	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Bilagi.	
	d.	Water Bodies	This is a river sand mining project. The site is in Krishna River Bed	
	e.	Other Specify	--	
16	Applicability of General Condition of the EIA Notification, 2006		Not applicable	
17	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	11.46	
	b.	Waste Dumping Area	0.105(Inside the Mineable area itself for Backfilling)	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	--	
	g.	Green Belt Area	3.815	
	h.	Unexplored area	--	
	i.	Others Specify	--	
18	Method of Mining/ Quarrying		Semi-Mechanised Method	
19	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: River Water	
	b.	Total Requirement of Water in KLD	Dust Suppression	6.0 KLD
			Domestic	1.3 KLD
			Other	1.2 KLD
			Total	8.5 KLD
20	Storm water management plan		River course will not be altered hence no storm water management plan is required	

The Proponent and Environmental consultant Sri. B.N Dhanraj (Obtained stay from Hon'ble High Court of Karnataka) attended the meeting to provide required clarification/additional information.

The committee perused and appraised the proposal considering the information provided in the statutory application Form-1, 1A, prefeasibility report, EMP and additional information provided during the meeting.

The committee noted that as per the combined sketch furnished by the DMG, there is another lease area in the Vijayapura district within the 500 meter from this block. The combined area of two blocks is 50 acres (38.0+12.0) which is less than the threshold limit of 25 hectares. Hence this is treated as individual proposal and appraised accordingly. The mining proposed is below the waterspread of the Alamatti reservoir.

As observed from the mining plan the length of the block is 2200 meters including the buffer zone left at the end of every 1000 meters and average width of the block is 70 meters. The average width of the river is 275 meters. The average level of the top of the deposit is RL 514 meters. The depth of mining proposed is one meter every year. The proponent is proposing to take up mining by dividing the entire block into two sub blocks and taking up mining in one block each year at the first instance. He has proposed to take up further mining after two years, only after full replenishment by dividing the block into three sub blocks and take up mining in one block each year.

The stock yard is proposed on a private land at 140 meter from the mining block for which the proponent has obtained MOU. The proponent has stated that there is a cart track road starting from mining block connecting the stock yard at 140 meter and proceeding further to a length of 1.16 kilometer and joining MDR. It is envisaged with a production plan of 3,17,855 tonns with a lease period of five years.

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

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

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

194.43 Proposed construction of Commercial Development Project at Plot No.1/P-1, Property No.577/489/489-2, EPIP Industrial Area, Krishnarajapura Hobli, Bengaluru East Taluk, Bangalore District By M/s. Madhu Ventures Private Limited (SEIAA 154 CON 2017)

SI No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Madhu Ventures, C/o M/s. Vista Spaces, 3rd Floor, Diamond House, No 11, Primrose Road, Bengaluru - 560 025.
2	Name & Location of the Project	"VISTA PARK" Plot No. 1/P-1, Property No. 577/489/489-2, EPIP Industrial Area, Krishnarajapura Hobli, Bengaluru East Taluk, Bengaluru - 560 036.
3	Co-ordinates of the Project Site	Latitude - 12° 59' 13.67" N and Longitude - 77° 43' 39.26" E

4	Environmental Sensitivity	
	a	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)
		Water bodies (Aerial distance): Basavanagara kere / Hoodi lake (0.40 KM, West), Kodigehalli lake (1.30 KM, North), Nalluralli lake (1.3 KM, South East), Kunalahalli lake (2.0 KM, South West), Whitefield lake (1.7 KM, South West) and Thubarahalli lake (2.9 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.
		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
		Commercial Development project (Office building and MLCP)
	c	Residential Township/ Area Development Projects
6	Plot Area (Sq.m)	
	20,204 sq m (4 Acres 39.5 Guntas)	
7	Built Up area (Sq.m)	
	1,07,258 sq m	
8	Building Configuration (Number of Blocks/ Towers/ Wings etc., with Numbers of Basements and Upper Floors)	
	The project consisting of 2 Blocks 1) Block A consisting of 2 Basement, Ground and 11 Upper floors with Partial Multi Level Car Parking (MLCP) and Partial Office Space Block B consisting of 2 Basement, Ground and 7 Upper floors with Office Space.	
9	Number of units in case of Construction Projects	
	NA as the project is Commercial Development project (Office building and MLCP)	
10	Number of Plots in case of Residential Township/ Area Development Projects	
	NA	
11	Project Cost (Rs. In Crores)	
	Rs. 202.00 crores	
12	Recreational Area in case of Residential Projects/ Townships	
13	Details of Land Use (Sq.m)	
	a	Ground Coverage Area
		8208.55 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
		6675.45 sq m
	d	Internal Roads
		-
	e	Paved area
		5320.52 sq m
	f	Others Specify
		-
	g	Parks and Open space in case of Residential Township/ Area Development Projects
		-
	h	Total
		20204.00 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 200 cum will be used for road formation activities in the project site.	
b	Total quantity of Excavated earth (in cubic meter)	33,000 cum	
c	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	About 10,000 cum will be used for backfilling, about 10,000 cum will be used for landscape development, about 6,000 cum will be used for paved area, about 4,000 cum will be used for formation activities and about 3,000 will be used for preparation of soil - cement blocks (used for compound wall and construction workers sheds construction).	
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	-	
15	WATER		
I	Construction Phase		
a	Source of water	BWSSB sources	
b	Quantity of water for Construction in KLD	10 KLD	
c	Quantity of water for Domestic Purpose in KLD	20 KLD	
d	Waste water generation in KLD	18 KLD	
e	Treatment facility proposed and scheme of disposal of treated water	Wastewater generated from the construction site will be treated in package STP of 20 KLD capacity.	
II	Operational Phase		
a	Total Requirement of Water in KLD	Fresh	359 KLD
		Recycled	171 KLD
		Total	530 KLD
b	Source of water	BWSSB Source	
c	Waste water generation in KLD	477 KLD	
d	STP capacity	480 KLD	
e	Technology employed for Treatment	Sequential Batch Reactor (SBR) Technology	
f	Scheme of disposal of excess treated water if any	-	
16	Infrastructure for Rain water harvesting		
a	Capacity of sump tank to store Roof run off	200 cum	
b	No's of Ground water recharge pits	32	
17	Storm water management plan	Appended in project report	
18	WASTE MANAGEMENT		
I	Construction Phase		
a	Quantity of Solid waste generation and mode of Disposal as per norms	50 kg/ day. Solid waste generated form the construction site 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	1085 kg/ day will be treated in Organic Waste Converter (OWC) and product will be used as manure for landscape development.
b	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	723 kg/ day will be handed over to recyclers.
c	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste oil - 3000 Litres/ annum which will be stored in closed barrels and disposed to KSPCB approved and CPCB register waste oil re-processor.
d	Quantity of E waste generation and mode of Disposal as per norms	E waste generated from the project will be disposed through authorized recyclers.
19	POWER	
a	Total Power Requirement -Operational Phase	6888 kVA from BESCO
b	Numbers of DG set and capacity in KVA for Standby Power Supply	2 X 2000 kVA capacity DG
c	Details of Fuel used for DG Set	Low sulphur content diesel consumption will be 400 L/hr for each DG set.
d	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Appended in project report
20	PARKING	
a	Parking Requirement as per norms	1180 Nos. of car
b	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Traffic survey and management plan appended in report.
c	Internal Road width (RoW)	Driveway proposed as per the norms
21	Any other information specific to the project (Specify)	

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

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

The committee while appraising the proposal observed that the project is located in KIADB Layout developed for EPIP. The project is spread over survey numbers 143, 212 and 213 of Hoodi village. As per the village survey map there are no water bodies like natural nala or lake either in the project area or in the vicinity of the project area. However in the revenue survey map there is one footpath (Kaludhari). But as per the present site condition this kaludhari has been diverted and regular road have been formed by KIADB which itself is a planning authority.

The proponent has stated that as per the CDP the proposed project area is in high tech zone and the proponent has also stated that commercial space can also be created in the high tech zone and accordingly he has proposed to take up commercial development.

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

- 1) Soil analysis has to be re carried out from accredited lab and to be submitted.
- 2) Surface water analysis of the nearby Hoody tank is to be conducted and submitted.
- 3) Heat island and inversion effect may be studied and submitted.

The proponent has submitted the replies vide letter dated:13-2-2018. The committee perused the replies and accepted the same.

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

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

194.44 Proposed Expansion of Mixed use development project at Plot No.75,76,85,86,87,88 (P) and CA Plot which is part of EPIP Industrial Area, Survey Nos.97,98,149, 150 and 151 of Hoodi Village, Bengaluru East Taluk, Bengaluru by M/s. Chalet Hotels Pvt Ltd and M/s. Magna Warehousing & Distribution Pvt Ltd., EPIP Area, Whitefield, Bengaluru (SEIAA 73 CON 2007)

PROPOSED PROJECT	<i>Expansion of Mixed Use Development Project</i>
Project Proponents	M/s. Chalet Hotels Pvt. Ltd., and M/s. Magna Warehousing & Distribution Pvt. Ltd., <u>Address:</u> Plot # 75, EPIP Area, Next to Sathya Sai Super-Specialty Hospital, Whitefield, Bangalore - 560 066
LOCATION	Proposed expansion of Mixed Use Development project at Plot No.s 75, 76, 85, 86, 87, 88 (P) and CA Plot which is Part of EPIP Industrial Area, Survey No.s 97, 98, 149, 150 and 151 of Hoodi Village, K R Puram Hobli,

	Bangalore East Taluk, Bangalore.
TOTAL PLOT AREA	39,512 sq m (9.76 Acres / 9 Acres 30.55 Guntas)
BUILT UP AREA	Proposed Expansion: 15,033.36 sq m Total after Expansion: 1,57,605.64 sq m
TOTAL COST OF PROJECT	Expansion Cost: Rs. 31,00,00,000/- (Rupees Thirty One Crores Only)
BUILDING CONFIGURATION	<u>Expansion proposal:</u> Expansion by increase in built up area of 15,033.36 sq m. <u>Scenario after expansion:</u> a) Activity: Mixed Use Development Project (The project is a single tower consisting of different blocks used for Office, Shopping Mall, Hotel, IT office, Multiplex / FEC (Family Entertainment Centre)) b) Built up area: 1,57,605.64 sq m c) Number of blocks: Existing 3 blocks and 1 proposed block d) Total plot area: 39,512 sq m
CAR PARKING DETAILS	a) Car Parking spaces proposed for the IT office / Retail / Multiplex / FEC block - 1189 cars b) Total car parking spaces after expansion - 1724 cars
WATER SUPPLY	The water supply is from Whitefield Export Promotion Park Industrial Association (WEPPIA) sources. Water Consumption: 945 KLD Wastewater generation: 851 KLD STP capacity: a) Presently STP of 650 KLD capacity is in operation. b) STP of 225 KLD Capacity is proposed for the proposed IT office / Retail / Multiplex / FEC block
PROPOSED SANITATION	Under Ground Sanitary System Facility for conveying the wastewater to the Sewage Treatment Plant.
SOLID WASTE MANAGEMENT	Collection & Segregation at source of generation and Organic waste will be treated in Organic Converter. The Inorganic waste will be sent for recycling.
AIR POLLUTION/ NOISE GENERATION SOURCE	DG sets in operation: 6 X 1500 kVA DG sets proposed for the IT office / Retail / Multiplex / FEC block - 3 X 1500 kVA capacity.

BUILT UP AREA AND BUILDING CONFIGURATION:

Sl No	Activity	Building configuration	Built up area in sq m
1	Existing Hotel Block	Basement, Lower Ground, Ground, 1 st Floor, Service Floor and 2 nd to 17 upper floors	56799.72 (324 hotel rooms)
2	Existing Office Block	Basement, Ground and 13 floors (Hotel in 3 rd to 6 th Floors)	14186.34 (Office & 67 hotel rooms)
3	Existing Shopping mall (Retail)	Lower Ground, Ground, First and Second Floor	28949.62
4	Proposed IT office /	2 Basements, Lower Ground,	57669.96

	Retail / Multiplex / FEC block	Ground, First floor, Service floor, Second floor to Nine upper floors		
	Total		157605.64	
Land use Pattern:				
Sl No	Particulars	Area		Remarks
		sq m	%	
1	Total Plot area	39512.00	100	There is no change in Plot area for proposed expansion.
2	Ground coverage Area	16920.14	42.82	
3	Paved area	14674.74	37.13	
4	Landscape area	7917.12	20.03	

COMPARITIVE STATEMENT:

Sl. No.	Description	PROJECT DETAILS		
		EC Obtained	After Expansion	Remarks
1	Project PropONENTS	M/s. Magna Warehousing & Distribution Pvt. Ltd., Construction House, 'A', 24 th Road, Khar (W), Mumbai - 400 052	M/s. Chalet Hotels Pvt. Ltd., and M/s. Magna warehousing & Distribution Pvt. Ltd., Address: Plot # 75, EPIP Area, Next to Sathya Sai Super-Specialty Hospital, whitefield, Bangalore - 560 066	Co-applicants
2	Activity	Mixed use development project		
3	Total Plot Area	39512 sq m	No change as the project is internal expansion	
4	Total Built up area (BUA)	142572.28 sq m	157605.64 sq m	Addition: 15033.36 sq m
5	Water consumption	721 KLD	945 KLD	Addition: 224 KLD
6	Wastewater discharge	649 KLD	851 KLD	Addition: 202 KLD
7	Sewage Treatment Plant	725 KLD	Existing: 650 Proposed: 225 KLD	Additional 225 KLD capacity STP proposed
8	DG capacity	DG sets in operation: 6 X 1500 kVA DG sets proposed for the IT office / Retail / Multiplex / FEC block - 3 X 1500 kVA capacity.		

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

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

The committee noted that the project is the part of EPIP developed by KIADB in Sy No.97, 98, 149, 150 and 151 of Hoodi village. This project is spread over the parts of Sy No.151,149 and Sy.No.150 with an area of 9 Acres 30.55 Guntas. As seen from the village survey map there are no natural nala or water bodies in the project site or in the vicinity of it. The road which is appearing in the village survey map has been diverted and pucca road of width 200 feet or 60 meter width has been built. Earlier an EC was issued in the year 2008 for an built up area of 1,42,572 sqmts in four blocks out of which three blocks with an total built up area of 99,935.68 sqmts have been completed and operationalised.

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

- 1) Soil analysis report has to be relooked and come out with the exact classification of soil.
- 2) The proponent to submit the solar panel layout for utilising the entire terrace area(including portion of the building which has already been completed)
- 3) The proponent to furnish the details of environment management plan proposed earlier and present status.
- 4) The proponent to submit the allocation made for implementing EMP and actual expenditure incurred thereon.
- 5) The proponent agreed to develop green belt and land scape to an extent to 31% in the earlier EC. The proponent to furnish the actual area under green belt and landscape.
- 6) The proponent to furnish the top soil management carried out during earlier construction.
- 7) The proponent to revise the list of tree species proposed for planting preferably with the native tree species instead of grasses.
- 8) The proponent to submit the compliance to the earlier EC issued.
- 9) The proponent has to furnish the details of the NABL accredited labs wherein the analysis has been carried out.

- 10) As agreed the proponent to submit STP outlet analysis from a NABL/MoEF accredited lab.
- 11) The proponent shall submit manifest for E-waste and hazardous waste handling since the operation of the project.

The proponent has submitted the replies vide letter Dated:23-2-2018. The committee perused the replies and accepted the same.

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

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

194.45 Proposed construction project of "Assetz Lifestyle-63° East" Modification and Expansion of Residential apartment and construction of Row House development project at Sy. No.69/1, 69/2, 69/3, 69/4, & 171 of Kodathi Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru District by APG Intelli Homes Pvt Ltd., (SEIAA 60 CON 2017)

Name of Applicant: - M/S. APG Intelli Homes Private Limited,

Environmental Consultant: Sri. Mahadevaswamy (Obtained stay from the Hon'ble High Court of Karnataka)

M/S. APG Intelli Homes Private Limited, have applied for Environmental clearance from SEIAA for their proposed expansion of residential apartment project at Survey No's. 69/1, 69/2, 69/3, 69/4 & 171 of Kodathi Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru District under 8(b) of schedule EIA Notification - 2006 under category B. Total project cost is Rs. 457 Crores.

The proponent has obtained Environmental clearance from SEIAA vide letter No. SEIAA 87 CON 2015 dated 16.02.2016 for construction of residential apartment on a plot area of 71932 Sqm. the total built up area is 129147.98 sqm. The building consists of 960 units in 3 towers with B+G+14UF. Comparative statement for EC obtained and present proposal is as follows:

Features	Earlier proposal	Proposed proposal
Plot area	71932 Sqm	106786.42 Sqm
Built up area	129147.98 Sqm	294283.80 Sqm

No of blocks and floors	Tower B- B+G+14 UF Tower C- B+G+14UF Tower D- G+14 UF	Tower A- B+G+19 UF Tower B- G+14UF Tower C- B+G+14UF Tower D- B+G+13 UF Tower E- B+G+19 UF Tower F- B+G+14UF Villas G+3 UF and club house B+G+2UF
Dwelling units	960	2060
Water requirement	447 KLD	1053 KLD
Waste water generation	402 KLD	948 KLD
STP capacity	405 KLD	1000 KLD
Sludge generation	1790 kg/day	4.14 MT/day
Power requirement and source	3781 KVA, BESCO	8944 KW, BESCO
Backup power	5x500 KVA	4x380 KVA, 12x500 KVA
Parking	967 PCU	2372 PCU
Project cost	300 Crores	457 Crores

The proposal is placed before the committee for appraisal.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form IA, Conceptual plan, proposed ToRs and clarification/information provided during the meeting. The committee noted that the proposal is for a horizontal expansion.

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

1. Land use details in the earlier sanctioned plan to know the status of the land proposed for expansion.
2. The land area for which EC has been issued earlier is 17.77 Acres and additional area acquired for this expansion is about 9 Acres. With this addition of nearly 50% of area, the built up area is getting increased to about 120%. This is to be justified.
3. Village map showing Nala details, Kharab land details and its position along with supporting RTC documents are to be submitted and implications on the proposed project site to be explained with respect to NGT order OA 222/2014 dated 04.05.2016.
4. Explore the possibility of alternate source for water other than tankers and borewells.

5. Scientific assessment of the availability of the water from the bore well in the project site
6. Revised water balance calculating fresh water demand at the rate of 55 LPCD as per the norms prescribed for rural water supply and the scheme for meeting the additional requirement
7. Scheme for treating sewage and sullage separately and use of treated water within the project site.
8. Quantification of the terrace area available for harnessing solar energy and an appropriate plan thereof with due calculations.
9. Scheme for providing dual fuel generators for backup power with provision for CNG.
10. Scheme for utilisation of entire Rain Water harvested in the project site (both from the roof top and from the surface runoff) within the Project premises only.
11. Details of excavated earth and plan for safe and scientific utilization of the same within the project site.
12. Hydrological study of the area influencing the surface water flow considering the micro watershed network of the region with respect to adequacy of the nala and carrying capacity.

The proposal is for the expansion and modification of the earlier proposal which was for a total built up area of 1,29,147.98 sqmts. Earlier the total plot area was of 71,932 sqmts. Now the proposal is for the overall plot area of 1,06,786.42 sqmts. Effectively the increase of land area 34,853.44 sqmts. The increase in overall built up area is from 1,29,147.98 sqmts to 2,82,974.72 sqmts. The earlier proposal was in survey numbers 69/1, 69/2, and 69/3 of Kodathi village. Now this proposal is spread over in survey numbers 69/1, 69/2, 69/3, 69/4 and 171. The expansion is not only in additional survey numbers 69/4 and 171 but also in the areas reserved for future development in the earlier proposal. As per the village survey map no nalas are noticed in these areas. However, there is one secondary nala in the adjacent survey number on the northern side of this area which appears to be about 16 to 20 meters away from the boundary of the site. As per the concept plan prepared the proponent has left 24 meter setback from the building line. As per the concept plan the building proposed adjacent to this is not an high rise building and it comprises only Ground+ 3 floors for which the fire drive way is not required.

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

- 1) The proponent to submit the details of Point recharging of the borewells within the site premises.
- 2) The proponent to replace broad leaved native species trees in place of silver oak and Jacaranda.

- 3) The proponent to submit the report on the impact of drilling 12 borewells within the premises on the surrounding borewells supplying water to the gram panchayath.
- 4) The proponent to increase and submit the details on tank capacity for storage of rainwater from the roof to 2x200 cum instead of 2x160 cum capacity.
- 5) The proponent to submit the mode of utilization of treated sewage of 150 KLD.
- 6) The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.

The proponent has submitted the replies vide letter Dated:1-3-2018. The committee perused the replies and accepted the same.

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

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

194.46 Ammendment in Environmental Clearance to include Red Category Industries at Dobaspet 4th Phase Industrial Area in the Villages of Yedehalli, Chandana Hosahalli, Honnenahalli, Kengal Kempohalli, Avverahalli, K.G.Srinivasapura, Billanakote, Nelamangala Taluk, Bangalore Rural District by KIADB-DABASPET - NELAMANGALA (SEIAA 20 IND 2017)

The Proponent has obtained Environmental Clearance for the above said proposal on 27-08-2015, and is seeking ammendment to EC to include Red category industries at Dobaspet 4th phase Industrial Area. As per the TGR Notification, Dated:18-11-2003, the entire area of Dobaspet 4th phase falls under Zone-I.

In this regard, the Proponent has applied for EC ammendment. The proponent and Environmental consultant attended the meeting of SEAC to provide required clarification/additional information.

While appraising the proposal the proponent has stated that the lands for this project have been acquired beyond 100 meters from the habitat as per the guidelines of

C&I Department. The proponent has also stated that in case of water bodies the lands have been acquired up to the edge of water bodies and while preparing the development plan, he has left buffer as per NGT order of dated: 4th May 2016. The committee deliberated on the siting guidelines for setting up of Red category industries and found that the proponent has failed to furnish the required information.

The proponent also submitted that while allotting land to the industries they will impose conditions to compulsorily install effluent treatment plant with zero liquid discharge, to maintain the air emission within the prescribed standards of the Central Pollution Control Board and to dispose the hazardous waste such as ETP sludge etc., to the authorised processing agencies.

In the light of the above observations, the committee decided to recall the proponent after submission of the following information.

- 1) To furnish the information to meet the siting guidelines for setting up of Red category industries as stipulated by MoEF & CC/CPCB.
- 2) The actual distance between the habitat(minimum/maximum distance) and the acquired lands is to be assessed properly and submitted.
- 3) If any expansion of the village beyond the gramathana limits has taken place, the same has to be reported citing maximum and minimum distances from the expanded portion.
- 4) The list and nature of industries for which the land has been allotted with the pollution potential is to be submitted.
- 5) Baseline studies should be made afresh and to be submitted.
- 6) Submit the compliance to the earlier EC issued.

The proponent has submitted the replies vide letter dated:5-3-2018

The subject is placed before the committee for appraisal.

The Proponent and NABET Accredited Consultant M/s. ABC Techno Labs India Pvt Ltd., Chennai(represented by Sri. Rajendran) attended the meeting to provide clarification/additional information.

The committee perused the reply submitted by the proponent and observed the following:

- 1) The proponent has failed to furnish the information regarding meeting the siting guidelines for establishing Red category industries as stipulated by MoEF & CC/CPCB.
- 2) Non compliance of the earlier E.C conditions dated 27-8-2015, particularly the establishment of CETP.

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

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

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

194.47 Industrial Project "Establishment of Bulk Drug Management Unit" at Kolhar Industrial Area, Karnataka Industrial Area Development Board, Bidar by M/s. Devi's Bio Research Pvt. Ltd. (SEIAA 79 IND 2008)

Name of the Proponent :- Sri. J.K. Devendrappa

Name of the Consultant :- Environment & Power Technology Pvt. Ltd.,

The proposal is for establishment of bulk drug manufacturing unit (Name of the bulk drugs - Aripiprazole, Carbidopa, Clopidogrel Bisulphate, Entacapone, Mebeverine hydrochloride, Toporamate, Levocitrizine and oxalic acid). The total water consumption is 50 KLD. The total investment of the project is Rs. 95 lakhs.

The subject was placed in 32nd, 36th and 43rd SEAC meetings held on 04.04.2009, 06.06.2009 and 12.10.2009. The Committee has decided to call the proponent for presentation after the submission of the comprehensive EMP and standards for wastewater characteristics.

The project proponent has submitted the information on 23.11.2009 with reference to this office letter dated 29.10.2009.

The subject was again placed in the 48th SEAC meeting held on 19.12.2009 and the Committee deliberated on the following issues.

- 1) Revise treatment scheme as discussed.

- 2) Plans/Schemes to Prevent the entry of organics into MEE(multiple effect evaporator)
- 3) Details of recovery of solvents from the waste water.
- 4) Scheme/Plan for recovery of Toluene.
- 5) It is not desirable for quenching of Ash from Boiler rejects which contains high TDS. The same shall be avoided

The project proponent has submitted the information on 18.02.2010 with reference to this office letter dated 27.01.2010.

The Committee discussed in detail on the information submitted by the proponent Earlier in the 48th SEAC meeting the subject was recommended to SEIAA for environmental clearance. However the issue was again relooked and it was felt that since certain technical information has been sought which required further scoping and screening by the committee, the subject was once again placed in this meeting for further Appraisal to complete the process. The Committee verified the information, Appraised the same on the aspects sought above and after satisfying itself, decided to re-recommend the proposal to SEIAA for issue of environmental clearance.

The proponent has obtained Environmental clearance vide dated:3-6-2010 for establishment of bulk drugs manufacture unit.

The proponent vide letter dated:11-10-2017 have submitted that due to various financial and other constraints, commencement of the project has been sustaintially delayed. The proponent also stated that he had made the online submission for EC validity extension on 30-6-2017. The proponent have therefore requested for extension of validity of the E.C issued vide letter dated:3-6-2010. The proponent also submitted the updated Form-1 and DD towards processing fee in favour of SEIAA.

The authority perused the request made by the proponent. The authority noted that the proponent have made online application to the authority on 30-6-2017, i.e., within thirty days after the validity period of E.C. The authority opined that such cases need to be referred to SEAC for appraisal.

The authority therefore decided to refer the request made by the proponent to examine in the light of the recent developments that took place in the kolhar industrial area, Bidar and send recommendation deemed fit with regard to condonation of the delay and as well as extension of the validity of EC or otherwise.

Hence the proposal is placed before the committee for perusal.

The committee noted that EC was issued earlier for this proposal on 3-6-2010 for five years. In the meantime in consequence to the OM No.F No.22-27/2015-IA-III, Dated:12-4-2016, issued by MoEF & CC, Govt of India, the EC period had been automatically extended for seven years. Thereby, the validity period of the EC ends on 2-6-2017. The proponent has applied for the extension of E.C validity on 30-6-2017 ie., after the expiry

period of 28 days. Since the extension does not involve any additional studies, the committee is of the opinion to condone the delay and to extend the validity period as empowered under paragraph (iii)(a) of the Notification dated 29-4-2015 issued by MoEF & CC.

The committee therefore decided to recommend the proposal to SEIAA for further necessary action.

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

194.48 Proposed to Expand Residential Apartment at Sy No.32, Katha No.72, K.R Puram Village, Bengaluru East Taluk, Bengaluru by M/s Karnataka State Police Housing & Infrastructure Development Corporation Limited, No.59, Richmond Road, Bengaluru(SEIAA 14 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. K. M. Mahendra Prasad - Executive Engineer, M/s. Karnataka State Police Housing & Infrastructure Development Corporation Limited, No. 59, Richmond Road, Bengaluru - 560 025.
2	Name & Location of the Project	M/s. Karnataka State Police Housing & Infrastructure Development Corporation Limited, Katha No. 72, Sy. No. 32, of K. R. Puram Village, Bengaluru East Taluk, Bengaluru.
3	Co-ordinates of the Project Site	13.011788, 77.699459
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Not Applicable
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	Residential Apartment
b.	Residential Township/ Area Development Projects	-
6	Plot Area (Sqm)	21,715.00 Sq m

7	Built Up area (Sqm)	45,461.64 Sq m
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Stilt + Ground Floor + 7 Upper Floors + Terrace
9	Number of units in case of Construction Projects	Number of Units: 524 No's
10	Number of Plots in case of Residential Township/ Area Development Projects	NA
11	Project Cost (Rs. In Crores)	87.43 Crores
12	Recreational Area in case of Residential Projects / Townships	-
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	5,372.74 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	8,979.15 Sq m
d.	Internal Roads	-
e.	Paved area	6,277.36 Sq m
f.	Others Specify	1,085.75 Sq m
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
h.	Total	21,715.00 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	-
b.	Total quantity of Excavated earth (in cubic meter)	1,378.6 m ³
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	The 1378.6 m ³ excavated earth will be used for landscaping of gardens
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	BWSSB	
	b.	Quantity of water for Construction in KLD	20 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	4 KLD	
	d.	Waste water generation in KLD	3 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	There will be no treatment in the construction phase.	
	II. Operational Phase			
	a.	Total Requirement of Water in KLD	Fresh	311.4 KLD
			Recycled	78.6 KLD
			Total	390 KLD
	b.	Source of water	BWSSB	
	c.	Waste water generation in KLD	351 KLD	
	d.	STP capacity	400 KLD	
	e.	Technology employed for Treatment	Sequential Batch Reactor	
	f.	Scheme of disposal of excess treated water if any	NA	
16	Infrastructure for Rain water harvesting			
	a.	Capacity of sump tank to store Roof run off	200 cum	
	b.	No's of Ground water recharge pits	15 No's	
17	Storm water management plan	Enclosed.		
18	WASTE MANAGEMENT			
	I. Construction Phase			
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	-	
	II. Operational Phase			
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	786 Kg/day Will be treated in Organic Waste Converter.	
	b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	524 Kg/day Will be handed over to Authorized vendors.	
	c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	NA	
	d.	Quantity of E waste generation waste generation and mode of Disposal as per norms	NA	
19	POWER			
	a.	Total Power Requirement - Operational Phase	2150 KVA	
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	250 KVA - 2 No's 320 KVA - 1 No's	

c.	Details of Fuel used for DG Set	2 Litres per Hour
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	NA
20	PARKING	
a.	Parking Requirement as per norms	576 No's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	-
c.	Internal Road width (RoW)	-

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

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

The committee noted that the project is located in a part of Sy. No.32 of Krishnarajpuram. As seen from the village survey map there are no water bodies in the form of natural nalas or lakes either in the project area or in the vicinity of the project area. Hence no buffer zone is required to be left as per NGT norms. The proposal is for the expansion of the project for which EC was issued earlier in the year 2017. The built up area proposed earlier was 34,076.82 sqmts. Now the total built up area proposed to be expanded is 45,461.64 sqmts. The earlier proposal was for six block and the expansion proposed is to put up another two block in the area reserved for the future expansion in the earlier concept plan. The project site is abutting K.R Puram main road. The LOS of which is already in 'F' Grade and there are no mitigating measures to decongest the road is forthcoming.

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

- 1) The proponent to submit earlier concept plan showing the present expansion area reserved for future expansion.
- 2) The proponent shall collect and submit the baseline data.
- 3) The number of trees to be planted shall be as per norms of one tree for every 80 sqmts of the plot area, preferably with the local species/indigenous species.
- 4) The proponent to furnish solar panel layout utilising the entire terrace.
- 5) To work out and furnish the scheme for reducing the discharge to less than 20% of the freshwater intake to UGD.

The proponent has submitted the replies vide letter dated:7-3-2018. The committee perused the replies and observed that the proponent has submitted the details about the following:

- 1) Earlier concept plan
- 2) Baseline data
- 3) Number of trees to be planted
- 4) Solar panel layout
- 5) Scheme to reduce the discharge to less than 20% of fresh water intake.


The proponent has also submitted the details for mitigating the traffic congestion such as metro connectivity, peripheral ring road and sub urban railway facility thereby and he expects easing of traffic congestion.

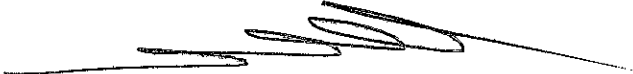
The committee perused the details and accepted the same. The committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to the following conditions:

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

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

The meeting concluded with thanks to the Chair.


Secretary, SEAC
Karnataka.


Chairman, SEAC
Karnataka.