

Proceedings of the 204<sup>th</sup>SEAC Meeting held on 10<sup>th</sup> August 2018

Member present in the meeting

10/8/2018  
SEIAA

Shri. N. Naganna	-	Chairman
Shri. B. Chikkappaiah, IFS(R)	-	Member
Dr. N. Krishnamurthy	-	Member
Dr. M.I. Hussain	-	Member
Dr. 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 Mohammed Saleem I Shaikh,	-	Member
Shri Venugopal .V	-	Member
Shri. VijayaKumar, IFS	-	Secretary

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

Confirmation of the proceedings of 203<sup>rd</sup>SEAC meeting held on 27<sup>th</sup> & 28<sup>th</sup> July 2018.

The State Expert Appraisal Committee, Karnataka perused the proceedings of 203<sup>rd</sup>SEAC meeting held on 27<sup>th</sup> & 28<sup>th</sup> July 2018 and confirmed the same.

Fresh Proposals:

204.1 Proposed Commercial Development Project at Sy.Nos.16/1 & 17/2 of Ambalipura Village, VarthurHobli, Bangalore East Taluk, Bangalore Urban District By M/s. Vaishnavi Infrastructure Pvt. Ltd. (SEIAA 114 CON 2018)

Sl. No.	Particulars	Information
1	Name of the project	Proposed Commercial Development
2	Location of the project	Sy. No. 16/1 & 17/2, of Ambalipura Village, VarthurHobli, Bengaluru East Taluk Karnataka
3	Land use as per CDP	Industrial high tech zone
4	Name & Address of the project proponent	Sri. Sai Prasad P. A M/s. Vaishnavi Infrastructure Pvt. Ltd. No.2/2. Walton Road. OFF: VittalMallya road. Bangalore-560001

5	New/ Expansion/Modification	New
6	Site Area in Sqmt	22,763.71Sq.m
7	Total Built up area in Sqmt	97,617.83Sq m
8	Configuration of the Building (No. of blocks, floors, No. of units)	The Proposed Commercial Building consisting configuration of 2B + G + 10 UF with building height of 44.95 mt.
9	Land use details (Ground coverage area, park & open space etc.)	Permissible Ground Coverage area is 50%. Proposed Ground coverage area 34.18%. Landscape area-7083.25 Sq. m (31.11%)
10	Source of water & NOC from the competent authority	Source of water from BWSSB. (In process)
11	Water requirement in KLD	300 KLD
12	Wastewater generation in KLD	240KLD
13	STP capacity in KLD & technology	STP capacities of 130 KLD & 140 KLD; Sequential Batch Reactor Technology
14	Rain water harvesting implementation, Recharge pits, Storage capacity	Total Rain water harvesting sump - 60.00 & 110 Cum with 20No's Recharge pits
15	Energy savings	26.92%
16	Parking facility provided	Total Car Parking provided is 1326No's
17	Traffic : nearest road - LOS - Existing & modification	The present level of service is "D, D" along Sarjapur Road towards sarjapur, and ORR. D -Fair/Average. Changed level of service towards Sarjapur and ORR will be D -Fair/Average.

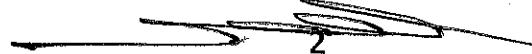
The proposal is placed before the committee for appraisal.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, and clarification/additional information provided during the meeting. The committee observed from the village survey map that there are no water bodies either in the form of lake or natural nalas which attracts buffer zone as per NGT order.

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

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



2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
3. The proponent shall submit entire terrace plan and plan to produce solar energy to maximum.

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

**204.2** Proposed Residential Apartment Project at Sy.No.12/1 of Seegehalli Village, K.R.PuramHobli, Bangalore East Taluk, Bangalore Urban District By M/s. **HI-LIFE VENTURES PVT. LTD.** (SEIAA 115 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. S.PRASAD REDDY Managing Director #137/1 & 137/2, Belagere- Gunjur Road GunjurHobli , Bangalore 560 087.
2	Name & Location of the Project	"HI LIFE HORIZON" #12/1,Seegehalli, K R PuramHobli Bangalore East Taluk Bangalore district.
3	Co-ordinates of the Project Site	13° 01' 00.60"N & 77° 43' 38.42E 13°01' 57.41N & 77° 43'36' 43" E 13°01' 00.55"N & 77° 43' 40".29 E 13°00' 56.52"N & 77° 43' 38".64 E
4	Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.
		The distance of the property line from the Primary nala running along the south side of the boundary from East To West is 440.69mts fulfilling the NGT norms
		The distance of the property line from the Cipla Lake Is 267.16Mts to the North Eastern direction of the plot and Fulfilling the NGT norms.
5	Type of Development	
	a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other
		RESIDENTIAL DEVELOPMENT

	b.	Residential Township/ Area Development Projects	NA
6		Plot Area (Sq.M)	8700.67
7		Built Up area (Sq.M)	29577.35
8		Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	B + GROUND+12 UPPER FLOORS
9		Number of units in case of Construction Projects	179
10		Number of Plots in case of Residential Township/ Area Development Projects	NA
11		Project Cost (Rs. In Crores)	70.00
12		Recreational Area in case of Residential Projects / Townships	N A
13		Details of Land Use (Sq.M)	
	a.	Ground Coverage Area	2614.26 - 30.04%
	b.	Kharab Land	NA
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	3045.23 - 35% of the plot
	d.	Internal Roads	2335.05 sqmts - 8mts wide
	e.	Paved area	
	f.	Others Specify	Swimming pool and R C area -706.13sqmts
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
	h.	Total	8700.67 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)	13199.15 cum
	c.	Quantity of Excavated earth	entirely

	propose to be used in the Project site (in cubic meter)	
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	Backfill and compaction 2180 cum Soil is used for road /ramps formation 5660 cum Top soil requirement for landscaping 3100 cum Creation of mounds and slopes 1240 cum Soil stabilized blocks cast in site 1019.15 cum

**WATER**

I.	Construction Phase	
a.	Source of water	MOU Submitted
b.	Quantity of water for Construction in KLD	About 12kl
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 Mobile STP of 5kl each alt cleaned by mechanical means
II.	Operational Phase	
a.	Total Requirement of Water in KLD	Fresh 34
		Recycled 87
		Total 121
b.	Source of water	BWS&SB
c.	Waste water generation in KLD	97
d.	STP capacity	100kld
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	7 No.s of UG Sumps of 20kl 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 3.7 tons sold to recyclers 2.Concrete spill and debris used as road fill consolidation 3.Plywood shuttering and centring material about 875 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 3 tons will be given away to KSPCB approved recyclers
	II. Operational Phase	
	a. Quantity of Biodegradable waste generation and mode of Disposal as per norms	241.65 Kgs processed in the organic waste converters to generate manure
	b. Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	161.10kgs disposed to the Municipal approved garbage clearing contractors
	c. Quantity of Hazardous Waste generation and mode of Disposal as per norms	About 200lts, Disposed to KSCP B approved recyclers
	d. Quantity of E waste generation and mode of Disposal as per norms	22.37 Kgs will be stored and disposed to authorized recyclers from KSPCB
19	POWER	
	a. Total Power Requirement - Operational Phase	980 KVA
	b. Numbers of DG set and capacity in KVA for Standby Power Supply	2 No. X 250KVA,
	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	26.98%
20	PARKING	
	a. Parking Requirement as per	198

	norms	
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Existing 'A' - after project implementation to "B".
c.	Internal Road width (RoW)	8mts

The proposal is placed before the committee for appraisal.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, and clarification/additional information provided during the meeting. The committee observed from the village survey map that there are no water bodies either in the form of lake or natural nalas which attracts buffer zone as per NGT order.

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

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 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.

**204.3** Proposed Residential Apartment Project at Sy.Nos.222, 223, 226 & 227 of Kambipura Village, KengeriHobli, Bangalore South Taluk, Bangalore Urban District By M/s. Good Earth Eco Communities Pvt. Ltd. (SEIAA 116 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Good Earth Eco Communities Pvt. Ltd. Tarana, No. 9, 10, & 11, Good Earth Malhar, Survey No. 193, 226 & 227, Kambipura Village, KengeriHobli, Bangalore South Taluk, Bangalore - 560 074
2	Name & Location of the Project	"MEDLEY", Survey No. 222, 223, 226 & 227, Kambipura Village, KengeriHobli, Bangalore South Taluk, Bangalore.
3	Co- ordinates of the Project Site	Latitude : 12° 53' 11.82" N Longitude : 77° 27' 55.55" E

4	Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.)
		Water bodies (Aerial distance) - Venkatapura lake at 900 m distance towards East, Hemmagepura lake at 1.75 Km distance towards East and Devagere Lake at 2 Km distance towards South.
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.
		No water body is located within or adjoining the project.
5	Type of Development	
	a.	New / Expansion / Modification
		New Project
	b.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ITES/ Mall/ Hotel/ Hospital/ other
		Residential Apartment Project
	c.	Residential Township/ Area Development Projects
		Not Applicable.
6	Plot Area (Sqm)	
	15,849.48 sq in (3 Acres 36.66 Guntas)	
7	Built Up area (Sqm)	
	23,785.74 sq m	
8	Building Configuration [Number of Blocks/ Towers/ Wings etc., with Numbers of Basements and Upper Floors]	
	The project consisting of 2 Blocks and club house 1) Block 1 consisting of 8 Buildings with configuration as under; a) 3 Wings consisting of G + 1F b) 3 Wings consisting of G + 2F c) 1 Wing consisting of 1B + G + 1F d) 1 Wing consisting of 2B + G + 2F Block 2 consisting of 2B + G + 4F	
9	Number of units in case of Construction Projects	
	Number of flats - 119 units	
10	Number of Plots in case of Residential Township/ Area Development Projects	
	NA	
11	Project Cost (Rs. In crores) towards expansion cost	
	Rs. 73,00,00,000/- (Rupees Seventy Three Crores Only)	
12	Recreational Area in case of Residential Projects / Townships	
	NA	
13	Details of Land Use (Sqm)	



	a.	Ground Coverage Area	6,184.46 sq m (39.02 %)
	b.	Kharab Land.	-
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	5,230.32sq m (33%)
	d.	Internal Roads	134.76 sq m
	e.	Paved area	
	f.	Others Specifty	
	g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
	h.	Total	
14	Details of demolition debris and / or Excavated earth		
	a.	Details of Debris (in cubic meter/MT) if it involves Demolition of existing structure and Plan for re use as per Construction and Demolition waste management Rules 2016, If Applicable	Construction debris generated for construction activity will be utilized for the paved area/ formation activities within the project site.
	b.	Total quantity of Excavated earth (in cubic meter)	The EMP was planned and implemented during the course of construction activity in the project. Presently construction activity in the project is completed
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	
	d.	Excess excavated earth (in cubic meter)	
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	NA
15	WATER		
	I.	Construction Phase	Presently construction activity in the project is not started
	a.	Source of water	KumbalagoduGramapanchayat/Borewell
	b.	Quantity of water for Construction in KLD	NA
	c.	Quantity of water for Domestic Purpose of KLD	10 KLD
	d.	Waste water generation in KLD	9 KLD
	e.	Treatment facility proposed and scheme of disposal of treated water	Sewage generated from the labor camp will be treated in package STP of capacity 10 KLD

II.	Operational Phase			
	a.	Total Requirement of Water in KLD	Fresh	61 KLD
			Recycled	27 KLD
			Total	88 KLD
	b.	Source of water	Kumbalagodu GramaPanchayat/Borewell	
	c.	Waste water generation in KLD	80 KLD	
	d.	STP capacity	90 KLD	
	e.	Technology employed for Treatment	-	
	f.	Scheme of disposal of excess treated water if any	The treated sewage will be re-used for gardening and flushing of toilet etc.	
16	Infrastructure for Rain water harvesting			
	a.	Capacity of sump tank to store Roof run off	85 cum/day capacity roof top rain water storage tank is proposed	
	b.	No's of Ground water recharge pits	About 25 pits	
17	Storm water management plan		Appended in the report	
18	WASTE MANAGEMENT			
	I.	Construction Phase		Presently construction activity in the project is not started
	a.	Quantity of Solid waste generation and mode of Disposal as per norms	The solid waste generated during construction phase will be composted and the product will be used as manure.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	214 Kg/day -Organic solid waste will be composted through Vermi Composting method and product will be used as manure for Landscape development.	
	b.	Quantity of Non-Biodegradable waste generation and mode of Disposal as per norms	143 Kg/day will be handed over to recyclers.	
	c.	Quantity of Hazardous Waste generation and mod of Disposal as per norms	100 Litres/annum will be disposed to KSPCB approved and CPCB register waste oil re-processors.	
	d.	Quantity of E waste generation and mode of Disposal as per norms	NA	
19	POWER			
	a.	Total Power Requirement - Operational phase	595 kVA is being augmented from BESCOM	
	b.	Number of DG set and capacity in KVA for Standby Power Supply	2 X 250 KVA capacity DG sets	

	c.	Details of Fuel used for DG Set	Ultra-Pure Low Sulphur Content Diesel
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Details appended
20	PARKING		
	a.	Parking Requirement as per norms	139 cars
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	-
	c.	Internal Road width (RoW)	8 m wide fire driveway provided all-round the buildings
21	Any other information specific to the Project (Specify)		-

The proposal is placed before the committee for appraisal.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, and clarification/additional information provided during the meeting. The committee observed from the village survey map that there are no water bodies either in the form of lake or natural nalas which attracts buffer zone as per NGT order.

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

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 5 to 10 % of the parking space shall be reserved for electric vehicles with recharging facility.
3. To submit the scientific names and common names of tree species proposed to be planted.

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

204.4 Proposed Building Stone Quarry Project at Sy.No.56 of K.G.Devapatna Village, Kunigal Taluk, Tumkur District By M/s. Someshwara Properties (India) Pvt. Ltd. (SEIAA 42 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
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1	Name & Address of the Project Proponent	M/s. Someshwara Properties (India) . Private Limited,Managing Director: Sri. S. P. Swamy, No. 41, 01-Main Road, SVG Nagar, Moodalpalya,Bangalore -72.
2	Name & Location of the Project	"Building Stone Quarry" of M/s .Someshwara Properties (India) Private Limited,atSy No: 56, K.G evapattana Village,KunigalTaluk,TumkurDistrict,Karnataka
3	Co-ordinates of the Project Site	Latitude: N 12°50' 50.1" & N 12°50' 50.4" Longitude:E 77°04' 22.0" & E 77° 04' 32.5"
4	Type of Project	Building Stone Quarry
5	New / Expansion / Modification / Renewal	New application for EC ((Renewal lease (QL No.717))
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Gomala Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	6.47 Ha
9	Geological Reserves in ROM	62,45,213 Tons
10	Mineable Reserves in ROM	57,81,243 Tons
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	3,71,524 TPA
12	Quantity of Topsoil/Over burden in cubic meter	0.5m topsoil will be produced.
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	33,137 tons
14	Project Cost (Rs. In Crores)	16.13 crores
15	Environmental Sensitivity	
	a. Nearest Forest	Hulliyadurga Reserved Forest- 2.50 Kms(W)
	b. Nearest Human Habitation	K G Devapattana Village- 0.80 Kms(S)

	c.	Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Kunigal.	
	d.	Water Bodies	Deepambudhi Lake- 0.51Kms(N)	
	e.	Other Specify	--	
16	Applicability of General Condition of the EIA Notification, 2006		NA	
17	Details of Land Use in Acres			
	a.	Area for Mining/ Quarrying	9.20	
	b.	Waste Dumping Area	0.10	
	c.	Top Soil yard	--	
	d.	Mineral Storage Area	0.75	
	e.	Infrastructure Area	0.20	
	f.	Road Area	0.20	
	g.	Green Belt Area	2.00	
	h.	Unexplored area	3.55	
	i.	Others Specify	--	
18	Method of Mining/ Quarrying		Semi Mechanised Method	
19	Water Requirement			
	a.	Source of water	Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	9.60 KLD
			Domestic	2.16KLD
			Other	2.94 KLD
			Total	14.70 KLD
20	Storm water management plan		Drains will be constructed along the boundary of activity area	

The proposal was placed before the committee for appraisal.

The Proponent and Environment Consultant attended the meeting to provide clarification/additional information. The committee while appraising the proposal observed that this is a quarry leased fresh in the year 2009 in the name of M/s. Zero Exim Pvt., Ltd., The proponent has stated that the mine was operated for four years and extracted nearly 78,716 tons as per audit report. The present proponent has acquired this quarry from the earlier lease holder during the year 2017. Earlier the quarry lease period was 10 years which was stipulated to end in the year 2019. But as per the order issued in the year 2013, all the running quarries are mandated to obtain Environment Clearance within a

stipulated period. Now that stipulated period is also over. The production was stopped in the year 2013 itself as per the audit report issued by Dept., of Mines and Geology.

The area proposed for mining has 10 meter level difference from one end to other end. The proponent has proposed to mine 12 meter below the minimum level. Taking all these facts into consideration the maximum quantity that can be mined in the stipulated period of five years will be about 70% of the quantity shown in the quarry plan. Also it is noticed as per the site photographs the quarrying has been taken up earlier without leaving mandatory buffer zone at certain places. The proponent has stated that he will get the quarry plan revised.

The committee after discussion had decided to recall the proponent after submission of the following information.

- 1) The mandatory EC required for operating quarries during the period 2013 has not been obtained which amounts to violation. The reason for not obtaining mandatory EC may be explained.
- 2) The inconsistencies about the recovery and wastages in mineable reserves and five year production in the approved quarry plan may be clarified.

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

204.5 Proposed Development of Residential Apartment Project at Sy.Nos.4/4, 4/6 & 36 of Anjanapura Village, Bengaluru South Taluk, Bengaluru Urban District By M/s. Anand Group (SEIAA 118 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr.Anand M/s. Anand Group At 5 <sup>th</sup> Block Anjanapura Township, UthrahalliHobli, Bengaluru South Taluk, Bengaluru District.
2	Name & Location of the Project	Development of Residential Apartment At Survey No's. 36, 4/6, 4/4, 5 <sup>th</sup> Block Anjanapura Township, UthrahalliHobli, Bengaluru South Taluk, Bengaluru District.
3	Co-ordinates of the Project Site	Latitude: 12°51'25.68" N Longitude: 77°33'25.32"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies	Avalahalli lake -1.2 km - NE

	(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.	Not Applicable
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Development of Residential Apartment
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	7,309.57 Sqmt
7	Built Up area (Sqmt)	37,755 Sqmt
8	Building Configuration [Number of Blocks/Towers/Wingsetc,with Numbers of Basements and Upper Floors]	B+G+9 floor - 29.99m
9	Number of units in case of Construction Projects	184 units
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	40Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	
a.	Ground Coverage Area	3,175.5 Sqmt
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2,412.08 Sqmt
d.	Internal Roads	1,722 Sqmt
e.	Paved area	--
f.	Others Specify	--
g.	Parks and Open space in case of Residential Township/ Area Development Projects	Not Applicable
h.	Total	7,309.58 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	Not Applicable since it is new project

	use as per Construction and Demolition waste management Rules 2016, If Applicable	
b.	Total quantity of Excavated earth (in cubic meter)	4,000 Cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	4,000 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
b.	Quantity of water for Construction in KLD	15 KLD
c.	Quantity of water for Domestic Purpose in KLD	5 KLD
d.	Waste water generation in KLD	4 KLD
e.	Treatment facility proposed and scheme of disposal of treated water	will be treated in mobile STP
II.	Operational Phase	
a.	Total Requirement of Water in KLD	Fresh 83 KLD
		Recycled 41KLD
		Total 124KLD
b.	Source of water	BWSSB
c.	Waste water generation in KLD	106KLD
d.	STP capacity	110 KLD
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology
f.	Scheme of disposal of excess treated water if any	Not found
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	2*50 cum
b.	No's of Ground water recharge pits	14no's
17	Storm water management plan	<ul style="list-style-type: none"> <li>Land is gently sloping terrain and sloping towards East direction.</li> <li>Separate and independent rainwater drainage</li> </ul>



		<p>system will be provided for collecting rainwater from terrace and paved area, lawn &amp; roads.</p> <ul style="list-style-type: none"> <li>• Rainwater collection tank of capacity 2*50cum is proposed which will be provided to collect the roof run off, which will be reused after prior treatment.</li> <li>• 14 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</li> </ul>
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	Quantity - 25kg/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 -276 Kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 5kg/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 - 184Kg/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 - 570kW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1X500KVA
c.	Details of Fuel used for DG Set	
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as Solar energy, LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 20%
20	PARKING	
a.	Parking Requirement as per norms	Required = 203 no's, Provided = 248 no's

b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards Nice Road - A Towards Anjanapura - B
c.	Internal Road width (RoW)	Approach road width - 24.6m Internal road width is- 6 m

The proposal is placed before the committee for appraisal.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, and clarification/additional information provided during the meeting. The committee observed from the village survey map that there are no water bodies either in the form of lake or natural nalas which attracts buffer zone as per NGT order.

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

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 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.

204.6 Proposed "SJR RADIANCE" Commercial Building Project at Sy.No.11 (P) of Ambalipuram Villge, VarthurHobli, Bangalore South Taluk, Bangalore Urban District By M/s. PRIMECO REALTY PVT. LTD. ( SEIAA 119 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	R. TEJUS REDDY PRIMECO REALTY PVT. LTD., SJR Primus, 7 <sup>th</sup> Floor, 1 Koramangala Industrial Estate, Bangalore - 560 095
2	Name & Location of the Project	SJR RADIANCE Survey No. 11 (P), Ambalipura Village, VarthurHobli, Bangalore South Taluk
3	Co-ordinates of the Project Site	12° 55' 18"N 77 °40' 16.8"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala	Lake: Iblur Lake - 350 M Kaidondrahalli Lake - 800 M

	etc.,)	Bellandur Lake - 1 Km Rajakaluve: There is no Rajakaluve within 75M of the boundary of the Project Site
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	There is no Water Body within 75 mts of the boundary of the project site
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	COMMERCIAL DEVELOPMENT
b.	Residential Township/ Area Development Projects	NA
6	Plot Area (Sqm)	9,611.21 SQM
7	Built Up area (Sqm)	31,070.03 SQM
8	Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	1 Block consisting of 1 Basement + Ground floor + 3 Upper floors + Terrace Floor
9	Number of units in case of Construction Projects	NA as this is a Commercial Development
10	Number of Plots in case of Residential Township/ Area Development Projects	NA
11	Project Cost (Rs. In Crores)	65.6Crores
12	Recreational Area in case of Residential Projects / Townships	NA
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	4,217.97 SQM (44.68%)
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	3,302.94 SQM (34.99%)
d.	Internal Roads	1,918.04 SQM (19.95%)
e.	Paved area	
f.	Others Specify	Road Widening - 172.26 SQM (0.1738%)
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA

h.	Total	9,611.21 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	3500cum 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)	12,650 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. 12,650 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 with Coordinate of the site proposed for such disposal	NA	
15	WATER		
I.	Construction Phase		
a.	Source of water	Treated Water	
b.	Quantity of water for Construction in KLD	12 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 Sewage Treatment Plant	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	106 KLD
		Recycled	42 KLD
		Total	148 KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	134 KLD	
d.	STP capacity	140 KLD	
e.	Technology employed for Treatment	Sequencing Batch Reactor Technology	
f.	Scheme of disposal of excess treated water if any	Flushing, Gardening, HVAC Make-up etc.,	

16	Infrastructure for Rain water harvesting.	
a.	Capacity of sump tank to store Roof run off	85 Cum
b.	No's of Ground water recharge pits	15 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	350 Kgs / Day Will be taken to an Organic Waste Convertor
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	250 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: 20 Nos. Used oil generated per annum: 2.0 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	1925 KVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	750 KVA x 3 Nos.
c.	Details of Fuel used for DG Set	Diesel / Gas
d.	Energy conservation plan and	20.75% Savings proposed to be achieved by use

	Percentage of savings including plan for utilization of solar energy as per ECBC 2007	of Solar Heaters, Solar Lighting, Copper Wound Transformers, HF Ballast & LED
20	PARKING	
a.	Parking Requirement as per norms	Parking Required: 417 Car Parks Parking Provided: 430 Car Parks
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards Outer Ring Road - D Towards Bellandur Main Road - C
c.	Internal Road width (RoW)	3.5 M

The proposal was placed before the committee for appraisal.

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

As seen from the village survey map there are no water bodies either in the form of lake or natural nalas which attracts buffer zone as per NGT order. But there is a cart track cutting across the project site for which the proponent has stated that he has applied for rerouting the cart tract road along the periphery of the site and waiting for the order from the competent authority to this effect. The concept plan now prepared is based on the rerouting of cart track. The committee taking into consideration the present status could not go ahead with the appraisal based on the above concept plan, for which the proponent has agreed to revise the concept plan as per the present status or he will come before the committee after getting order from the competent authority to reroute the cart track.

The committee after discussion had decided to recall the proponent after submission of the above information.

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

204.7 Proposed Commercial Building- Mall Project at Sy.Nos.189/3 & 189/4 of Varthur Village, Bengaluru East Taluk, Bengaluru Urban District By Mr. A. Udayakumar SEIAA 120 CON 2018

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. A UdayaKumar Owner C/o M/s.Myhna Properties Pvt Ltd At No. 83, 1st floor, GP Plaza, Outer Ring road, Near Kalamandir, Marathahalli, Bengaluru- 560037
2	Name & Location of the Project	Development of Commercial Building - Mall

		At Survey No. 189/3, 189/4, Varthur Village, VarthurHobli, Bengaluru East Taluk, Bengaluru
3	Co-ordinates of the Project Site	Latitude: 12°55'59.76"N Longitude: 77°44'33.46" E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.)	Varthur lake - 1.5 Km (NW)
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	Not Applicable
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Development of Commercial Building - Mall
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	4,046.82 Sqmt
7	Built Up area (Sqmt)	25,000 Sqmt
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Commercial building - 3B+G+7floor - 29.99m
9	Number of units in case of Construction Projects	Not Applicable
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	35Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	
a.	Ground Coverage Area	1,527.19 Sqmt
b.	Kharab Land	No
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1,336 Sqmt
d.	Internal Roads	--
e.	Paved area	1,183.63 Sqmt
f.	Others Specify	--

g.	Parks and Open space in case of Residential Township/ Area Development Projects	Not Applicable	
h.	Total	4,046.82 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)	6,600 Cum	
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	6,600 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 & External tanker for domestic purposes	
b.	Quantity of water for Construction in KLD	15 KLD	
c.	Quantity of water for Domestic Purpose in KLD	5 KLD	
d.	Waste water generation in KLD	4 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	will be treated in mobile STP	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	52 KLD
		Recycled	49KLD
		Total	101KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	86KLD	
d.	STP capacity	90 KLD	
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
f.	Scheme of disposal of excess	Not found	



	treated water if any	
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	50 cum
b.	No's of Ground water recharge pits	9no's
17	Storm water management plan	<ul style="list-style-type: none"> <li>• Land is gently sloping terrain and sloping towards Edirection.</li> <li>• Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn &amp; roads.</li> <li>• Rainwater collection tank of capacity 50cum is proposed which will be provided to collect the roof run off, which will be reused after prior treatment.</li> <li>• 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</li> </ul>
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	Quantity - 20kg/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 - 226 Kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 5kg/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 - 338 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 - 550kW

b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1X 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, LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 20%
20	PARKING	
a.	Parking Requirement as per norms	Required = 243 no's, Provided = 243 no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Towards Sarjapur -C Towards Varthur - B
c.	Internal Road width (RoW)	Approach road width - 25m Internal road width is- 6m

The proposal was placed before the committee for appraisal.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, EIA report and clarification/additional information provided during the meeting. The committee observed from the village survey map that there are no water bodies either in the form of lake or natural nalas which attracts buffer zone as per NGT order. The earthwork generated seems to be much less than the actual earthwork considering FAR area and non FAR area for which the proponent has agreed to rework and submit.

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

- 1) The scheme for the management of earthwork within the project site may be worked out and submitted.

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

204.8 Proposed Expansion for development of "Commercial Hotel, Office and Retail shop at Khata Nos.58/1/709/801/502, survey No.43/3, Hebbal Village, KAsabaHobli, Bengaluru North Taluk, Bengaluru by M/s. S.V Enterprises & H.V Shantaram& M V Veerabdraiaa(SEIAA 121 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. D.R.Murali Krishna Managing Partner M/s. S.V ENTERPRISES & H V Shantaram& M V Veerabdraiaa

		At #211, S.C Road, Seshadripuram, Bengaluru.
2	Name & Location of the Project	Expansion for development of "Commercial Hotel, office and Retail shop" At Khatha Nos. 58/1/709/801/502, Survey No. 43/3, Hebbal Village, KasabaHobli, Bengaluru North Taluk, Bengaluru.
3	Co-ordinates of the Project Site	Latitude - 13°03'14.53"N Longitude - 77°35'34.45"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Hebbal Lake - 800 m (SW) Nagavara Lake - 1.5 km (SE)
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	--
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Development of Commercial Hotel, Office and Retail shop
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	6,124.07 Sqmt
7	Built Up area (Sqmt)	32,945.9 Sqmt
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Hotel building - 4B+G+12UF+TF with 168 Rooms - 44.95m Office building - 3B+G+10UF+TF - 44.95m
9	Number of units in case of Construction Projects	--
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	70 Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	
a.	Ground Coverage Area	1,701.67 Sqmt
b.	Kharab Land	No
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	1,771.62 Sqmt

d.	Internal Roads	2,426.05 Sqmt	
e.	Paved area	--	
f.	Others Specify	Road widening area- 224.73 Sqmt	
g.	Parks and Open space in case of Residential Township/ Area Development Projects	--	
h.	Total	6,124.07 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	
b.	Total quantity of Excavated earth (in cubic meter)	16,000 Cum	
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	16,000 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 .	
b.	Quantity of water for Construction in KLD	10 KLD	
c.	Quantity of water for Domestic Purpose in KLD	1.5 KLD	
d.	Waste water generation in KLD	1 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	will be treated in mobile STP	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	114 KLD
		Recycled	66 KLD
		Total	180 KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	153 KLD	
d.	STP capacity	160 KLD	
e.	Technology employed for	Sequencing Batch Reactor (SBR) Technology	

	Treatment	
f.	Scheme of disposal of excess treated water if any	Not found will be managed within the site
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	50cum
b.	No's of Ground water recharge pits	11 no's recharge pits
17	Storm water management plan	<ul style="list-style-type: none"> <li>• Land is gently sloping terrain and sloping towards South direction.</li> <li>• Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn &amp; roads.</li> <li>• Rainwater collection tank of capacity 50cum is proposed which will be provided to collect the roof run off, which will be reused after prior treatment.</li> <li>• 11 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</li> </ul>
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	Quantity - 10 kg/day Solid waste will be collected manually and handed over to local body for further processing
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	Quantity - 393 kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 8 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 - 262 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 - 990 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	3X380KVA
c.	Details of Fuel used for DG Set	High speed diesel fuel
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as Solar energy, CFL and LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 19%
20	PARKING	
a.	Parking Requirement as per norms	Required = 314 no's, Provided = 337 no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Hebbal flyover - F Airport Road - E
c.	Internal Road width (RoW)	Approach road width - 65 m Fire driveway - 8m

The proposal was placed before the committee for appraisal.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, EIA report and clarification/additional information provided during the meeting. The committee observed from the village survey map there are no water bodies either in the form of lake or natural nalas which attracts buffer zone as per NGT order. The proponent has stated that he has obtained EC on 12-1-2018 for the construction of 22,139.09 sqmts BUA spread over an area of 3889.99 sqmts and commenced the work after obtaining the CFE on 18-5-2018. This application is for expansion for a overall built up area of 32,945.9 sqmts spread over all area 6,124.07 sqmts.

Since the level of service in respect of traffic is already in 'F' status towards Bangalore, the proponent has agreed to rework in view of the proposed mitigation measures taken up by the government.

The committee after discussion decided to recommend the proposal for issual of E.C subject to condition that he shall rework and submit the mitigation measures for traffic taking into consideration the measures being taken by the authorities to easen the traffic on the Hebbal flyover. The committee also prescribed 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.

204.9 Proposed Building Stone for Manufacturing of M-Sand Quarry Project in Govt. Revenue Land at Sy.No.31 of Baraka Village, Koratagere Taluk, Tumkur District (21-00 Acres) By Sri R. Kumar (SEIAA 43 MIN 2018)

1.	Name & Location details of the project	R. Kumar, Building Stone & Manufacturing of M-Sand Quarry, Part of Sy. No. 31, Baraka Village, Kotaragere Taluk, Tumkur District.
2.	Name & address of the Owner	R. Kumar, No. 143, 2 <sup>nd</sup> Main Road, B/W 7 <sup>th</sup> & 8 <sup>th</sup> Cross, Chamarajapete, Bengaluru - 560 065.
3.	Status of Organization: Individual/Partnership Firm/Private Company (Enclose requisite Copy)	Individual
4.	Project Status: New Project or Renewal of Lease	New Project
5.	Documents submitted:	<ul style="list-style-type: none"> <li>o Form -1 Application in prescribed format</li> <li>o Pre-feasibility report (PFR) &amp; EMP in prescribed format</li> <li>o Quarrying Plan approved by Dept. of Mines &amp; Geology</li> <li>o Toposheet Sheet duly marking the project site with 10 kms. radius.</li> <li>o Village Maps duly marking project site</li> <li>o Latest Google Map</li> <li>o Copy of the Notification.</li> <li>o District Mineral Survey report by DMG</li> <li>o RTC copy</li> <li>o Cluster Certificate from DMG within 500 mtrs. from the applied quarry area.</li> </ul>
6.	Nature of terrain: Flat/Undulated/ Hilly/Coastal	Hilly Terrain, Rocky knob/open scrub & Stone ridges and slope/gradient
7.	Land Use within 500 m from the lease area	Open Scrub Boulders, Cultivated Land/Private Lands & Plantations
8.	Surface drainage pattern (within & outside the lease area)	<p>a) Likely depth of water table based on observations from nearby wells and water bodies is 150m-200m.</p> <p>b) Working expected to be up to 921m RL (Average depth of about 21 mtrs) The elevation difference of the lease area varies from 950m RL to 855m RL. which</p>

		<p>is above water table and no water is expected.</p> <p>c) Quantity and quality of water likely to be encountered, the pumping arrangements and places where the mine water is finally proposed to be discharged.</p> <p>No water is likely to be encountered during the course of quarrying</p>
9.	Details of surrounding water bodies with distance from the project	There are couple of small nallahs at the boundary of the Quarry lease & safety margins are left by the applicant & Tank situated about 850 meters. Which are of seasonal nature.
10.	Total Investment (including land/ machinery/ infrastructure) in Rs. Lakhs	500 lacs
11.	Green Belt Plan (implemented or proposed)	Shall be Implemented as Proposed in EMP
12.	RTC copy of the survey numbers	Copy of the RTC is submitted
13.	NOC obtained from Deputy Commissioner?	-
14.	Whether Non Agricultural Conversion obtained (in case of Private lands)	Not Applicable
15.	National Parks/Wildlife Sanctuary/ Archaeological importance sites / interstate boundary within 10 km radius?	No areas sensitive for ecological reasons are present within 5 kms. However, KavaraGal State Forest is situated towards south adjacent to the applied quarry lease.
16.	Nearest Educational Institutions & Hospitals with distance in km (if any).	Koratagere is 11 kms (Education & Health)
17.	Extent of project site	8.50 Ha (21-00 Acres).
18.	Present Land Use of the lease area	Nil
19.	Location Plan (map) of the lease area and surrounding area	Location Plan showing the details of the surrounding area of 10 kms Radius is submitted.
20.	Estimated Reserves	121,03,228 tons of Geological Reserves & 52,91,735 tons of Mineable Reserves.
21.	Production details of last 5 years	Applied for fresh grant
22.	Present Capacity of Quarry/Mine (Production/annum)	The envisaged proposed maximum Production of 50,000 tons per annum.



23.	Stripping Ratio & Solid Waste Disposal method	1:0.02 (Average)
24.	Quarrying/Mining Plan Status & Validity Period	Approved by DMG for 5 years from the date of approval.
25.	Ownership of land: Patta/Revenue/ Forest (please give details)	Govt. Revenue lands - RTC is submitted.
26.	Nearest Forest boundary (as per Karnataka Forest Rules)	No areas sensitive for ecological reasons are present within 5 kms. Kavaragal State Forest is situated towards south adjacent to the applied quarry lease.
27.	Consent of land owner (if applicable)	Govt. Revenue lands
28.	Drilling & Blasting: Yes or No	Yes
29.	Is Wire Saw cutting practiced to avoid blasting?	Not applicable
30.	Vehicular traffic density - existing & proposed	Present traffic density nearby the Quarrying area is very less. The proposed traffic density shall be about 10-11 trucks/day from this quarry (16 tons capacity)
31.	Solid waste quantity & quality	An estimated quantity of around 3,278 tons of waste (mining losses) is required to be handled during the proposed plan period.
32.	Environmental Protective measures taken (if any) at present	As per DMG guidelines & EC conditions shall be implemented.
33.	Average annual rainfall & ground water potential of the area	Average rainfall during the year 2016 is 516.12mm. The Ground water table is found at a depth of more than 150-200 meters from the ground level in this area.
34.	Details of water conservation measures including rain water harvesting	Shall be taken up as per EMP
35.	Whether Environmental Protection Fee paid to the State Govt.?	Will be paid after grant/execution of lease deed.
36.	Occupational & Community Health, Safety & Hygiene details	Proposed in EMP
37.	Reports of Health status of workers	Shall be done after commencement of the quarrying operations.
38.	Nearest Human settlement & population / households	Lease area surroundings total 19 Villages are there & Nearest habitate Village is Kambadahalli is about 1.20 kms. from the

		Quarry Site. Population is 237 Households is 57
39.	Socio economic packages planned, if any	Furnished in EMP
40.	Endemic health problems in the area due to waste / air borne diseases	This is a fresh project and shall be monitored as per SEAC guidelines
41.	Risk Assessment & Disaster Management (if applicable)	Discussed in EMP

The proposal was placed before the committee for appraisal.

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

- 1) As observed from the records the statutory NOCs from the concerned authorities have not been submitted & the same may be submitted.
- 2) Fire preventive measures should be detailed and necessary budget provision is to be made and submitted.
- 3) Details of Flora and Fauna existing in an aerial distance of 15 KMs radius from the project area is to be enumerated and submitted to assess the impact due to this project with suitable remedial measures.
- 4) The protective measures taken to protect natural areas in and around the project area may be detailed and submitted.

The committee after discussion had decided to recall the proponent after submission of the above information.

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

204.10 Proposed ordinary sand quarry in patta land - Block No.GMGL-02 over an extent of 33-00 Acres (13.354 Ha) at Sy.No.48 & 61 of Gungol Village, Mundaragi Taluk, Gadag Dist by Sri. Bharat Basavaraj Meti (SEIAA 44 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri. Bharat Basavaraj Meti, At Po: Mundaragi, Taluk Mundaragi, District Gadag - 582118

2	Name & Location of the Project	"Block No. GMGL-02 Ordinary Sand Quarry" in patta land over an extent of 33.00 Acres (13.354 Ha) at Sy. No. 48 & 61 of Gumgol Village, Mundargi Taluk, Gadag District of Sri. Bharat Basavaraj Meti.
3	Co-ordinates of the Project Site	Latitude: N 15° 01' 54.78" to N 15° 01' 43.64" Longitude: E 75° 48' 56.38" to E 75° 48' 56.20"
4	Type of Mineral	Ordinary Sand Quarry in Patta land
5	New / Expansion / Modification / Renewal	New
6	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta Land
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	13.354 Ha
9	Actual Depth of sand in the lease area	3.0m
10	Depth of Sand proposed to be removed	0.7162m
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	30,000 Tons/ annum
12	Quantity of Topsoil/Over burden in cubic meter	It is an Ordinary Sand Quarry
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	No Waste
14	Project Cost (Rs. In Crores)	3.20 crores
15	Environmental Sensitivity	
	a. Nearest Forest	Kappatgudda Reserved Forest - 4.60 kms(NE)
	b. Nearest Human Habitation	Gumgol - 0.35 Kms(NE)
	c. Educational Institutes, Hospital	The nearest post and telegraph office, hospital, schools, police station is situated in Gumgol.
	d. Water Bodies	Tungabhadra River - 80 mts (S)
	e. Other Specify	NA
16	Applicability of General Condition of the EIA Notification, 2006	NA
17	Details of Land Use in Ha	
	a. Area for Mining/ Quarrying	12.32

	b.	Waste Dumping Area	--	
	c.	Top Soil Storage Area	--	
	d.	Mineral Storage Area	--	
	e.	Infrastructure Area	--	
	f.	Road Area	--	
	g.	Buffer Zone for Storage of Top soil	1.034	
	h.	Unexplored area	--	
	i.	Others Specify (Screening)	--	
18	Method of Mining/ Quarrying		Semi - Mechanized Method	
19	Water Requirement			
	a.	Source of water	Drinking water : Borewell from the village Dust Suppression: Borewell from the village	
	b.	Total Requirement of Water in KLD	Dust Suppression	10.00 KLD
			Domestic	0.855 KLD
			Other	8.495KLD Plantation
			Total	19.35KLD
20	Storm water management plan		<ul style="list-style-type: none"> <li>• Drains will be constructed along the boundary of activity area</li> <li>• Check dams will be constructed to contain the surface run-off of the silt and sediments from the lease area during heavy rainy season</li> </ul>	

The proposal was placed before the committee.

The Proponent and Environment Consultant attended the meeting to provide required information/clarification.

The proponent has stated that the leased area falls under submerged area of Singatalur lift irrigation project. The proponent has stated that there is a overburden soil of 1.5 meter and he has proposed to take up mining sub-dividing into five equal blocks and taking up mining in each block every year. He has also stated that the overburden soil obtained from one block will be stored in the untackled block and refill the mined block immediately after mining is over. The depth of mining proposed is 0.7162 meters and he has assured that at any point of time during mining the depth will not go beyond 0.7162 meters and the overall depth including the top soil of 1.5 meter will not be more than 2.21 meter. The lease period is for a period of five years. It is envisaged with a production plan of 30,000 TPA. As per the cluster certificate furnished by the Senior Geologist, Gadag apart from this lease, there is only one sand block lease of 12 acres within the 500 meter radius from the present block. The proponent has stated that he has identified a land for stock yard at a distance of 185 meters by the side of Gumgol to

Mundawad road which is black topped. The road connecting between the sand block and the stock yard runs in the land acquired for Singatalur lift irrigation scheme and the proponent has stated that he will obtain necessary permission for this road from the concerned authorities.

The committee after discussion and deliberation decided to recommend the proposal to SEIAA for issue of Environment clearance with a condition that the proponent has to take all measures to protect the mined pit slopes in order to avoid any mishaps.

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

**ToR Proposal:**

**204.11** Proposed "FINSBURY PARK" Development of Residential Apartment Project at Plot No.R-6(P1) of Hitech, Defense and Aerospace Park (Hardware Sector), KIADB Industrial Area, Devanahalli Taluk, Bangalore Rural District By M/s. Apex Realty Ventures. (SEIAA 117 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. Zaid, Director M/s. Apex Realty Ventures No. 2011, Embassy Habitat, Palace Cross Road, Vasanthanagar, Bengaluru - 560052
2	Name & Location of the Project	"Finsbury Park" Development of Residential Apartment At plot No. R-6 (P1), Hitech, Defence and Aerospace park (Hardware Sector), KIADB Industrial Area, Devanahalli, Bengaluru Rural District.
3	Co-ordinates of the Project Site	Latitude: 13°08'28.94"N Longitude: 77°41'03.64"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	MahadevKodigehalli Lake-300m (SE) Bagaluru lake-2.5 km (W) YaratiGandanahalli reserved forest- 6.2 km (NW)
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.	--

5	Type of Development				
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Development of Residential Apartment			
b.	Residential Township/ Area Development Projects	Not Applicable			
6	Plot Area (Sqmt)	1,01,171 Sqmt (25Acres)			
7	Built Up area (Sqmt)	3,57,734.95 Sqmt			
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Description	Towers	Building configuration	Height in m
		Building-1	Tower-1 to 3	2B+G(S)+15F	49.35
		Building-2	Tower-4 to 6	2B+G(S)+15F	49.35
		Building-3	Tower-7 to 10	B+G(S)+16F	52.40
		Building-4	Tower-11 to 14	B+G(S)+15F	49.35
		Building-5	Tower-15 to 17	2B+G(S)+15F	49.35
	Building-6	Tower-18 to 20	2B+G(S)+15F	49.35	
9	Number of units in case of Construction Projects	2,510 units			
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable			
11	Project Cost (Rs. In Crores)	424.5 Crores			
12	Recreational Area in case of Residential Projects / Townships	Not Applicable			
13	Details of Land Use (Sqmt)				
a.	Ground Coverage Area	17,843.98 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	20,234.3 Sqmt			
d.	Internal Roads	29,672.64 Sqmt			
e.	Paved area	--			
f.	Others Specify	Land reserved for Civic amenities - 5,058.6 Sqmt Land reserved for Visitor parking - 5,058.6 Sqmt Land reserved for Substation - 3,430.34 Sqmt			
g.	Parks and Open space in case of Residential Township/ Area Development Projects	20,234.3 Sqmt			
h.	Total	1,01,171 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	Not Applicable since it is new project			

	Demolition waste management Rules 2016, If Applicable	
b.	Total quantity of Excavated earth (in cubic meter)	5,23,215 Cum
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	5,23,215 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
b.	Quantity of water for Construction in KLD	50 KLD
c.	Quantity of water for Domestic Purpose in KLD	14 KLD
d.	Waste water generation in KLD	11 KLD
e.	Treatment facility proposed and scheme of disposal of treated water	will be treated in mobile STP
II.	Operational Phase	
a.	Total Requirement of Water in KLD	Fresh 1740 KLD
		Recycled 1160 KLD
		Total 2900 KLD
b.	Source of water	KIADB water supply
c.	Waste water generation in KLD	2610 KLD
d.	STP capacity	2610 KLD
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology
f.	Scheme of disposal of excess treated water if any	1060 KLD will be disposed to existing KIADB STP
16	Infrastructure for Rain water harvesting	
a.	Capacity of sump tank to store Roof run off	4×100 cum
b.	No's of Ground water recharge pits	63 no's recharge pits
17	Storm water management plan	<ul style="list-style-type: none"> <li>Land is gently sloping terrain and sloping towards South direction.</li> <li>Separate and independent rainwater drainage system will be provided for collecting rainwater from terrace and paved area, lawn &amp; roads.</li> </ul>

		<ul style="list-style-type: none"> <li>• Rainwater collection tank of capacity 4×100 cumis proposed which will be provided to collect the roof run off, which will be reused after prior treatment.</li> <li>• 63 no's 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</li> </ul>
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	Quantity - 30 kg/day Solid waste will be collected manually and handed over to local body for further processing
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	Quantity - 2.965MT/day Organic wastes will be segregated & collected separately and processed in organic bio converter Sludge generated from STP of capacity 130 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 - 2.965MT/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 - 9,943 kW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	13X500KVA, 2X250KVA
c.	Details of Fuel used for DG Set	High speed diesel fuel
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as Solar energy, LED lights, Copper wound transformer are proposed in the project by saving energy 20.94%
20	PARKING	
a.	Parking Requirement as per norms	Required = 2,511 no's, Provided = 2,756 no's
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Will be conduct during EIA study
c.	Internal Road width (RoW)	Approach road width - 32 m



The proposal was placed before the committee for appraisal.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, conceptual plan clarification/additional information provided during the meeting.

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

- 1) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
- 2) Utilization of the entire terrace for solar power generation may be worked out and submitted.
- 3) Scheme for utilising maximum treated sewage water to reduce the demand on the fresh water may be worked out and submitted.
- 4) Rain water harvesting/storage details may be worked out.
- 5) Surface hydrological study of surrounding area may be carried out and the carrying capacity of the natural nalas may be worked out in order to ascertain the adequacy in the carrying capacity of the nalas.
- 6) As the site is situated nearer to the BIAL, the NOC from the concerned authority about the height of the building may be obtained.
- 7) To submit the Details of trees to be felled and the scheme for development of greenery with the number and kind of tree species as per the norms.
- 8) The applicability of the recent NGT order on buffer zone for water bodies and nalas may be studied and submitted.
- 9) The drainage pattern built in the KIADB Aerospace layout may be detailed and carrying capacity of all the drains in the KIADB Aerospace layout may be assessed including the capacity of the feeder nala to the tank which is 300 meter from the project site.
- 10) The source of drinking water may be detailed if the source of water to KIADB is treated sewage.
- 11) If the source of water during construction is from water tank suppliers, the alternate scheme for this may be worked out and submitted since the water tank suppliers are not reliable about the quality of water they supply.
- 12) Carbon foot print to be estimated for construction and operation phase along with suitable offset.

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

2:15 PM to 5:30 PM

Deferred Subjects:

204.12 Modification of Group Housing Project at Sy. No. 29/1, 30/3, 31/5, 32/1, 32/2, 32/3, 33/1, 33/2, 34/1, 34/2, 34/3, 35/1, 35/2, 42/2, 43/1, 43/2 and 43/3, Rachenahalli Village, K.R. PuramHobli, Bangalore East Taluk, Bangalore of M/s. Mantri Technology Constellation Pvt. Ltd., Mantri House, #41, VittalMallya Road, Bangalore - 560001. (SEIAA 199 CON 2015)

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

The E.C for this project was issued earlier on 29th June 2013. The project then envisaged was in four blocks out of which two blocks have been tackled and nearing completion. The other two blocks have not been tackled till now. The development plan of the entire project consisting of four blocks was approved by BDA. The proponent based on this development plan has approached the BBMP and got the building plan sanctioned for the two blocks. Now the proponent is intending to approach the BBMP to get the building plans of remaining two blocks sanctioned. When the earlier EC was issued the NGT order specifying the buffer zone for water bodies was not in force. Now, the NGT order is in force from 4th May 2016.

Since the NGT order about the buffer zone has come into force, committee opined that the modified proposal now submitted is to be appraised in the light of NGT order. It is observed from the village survey map that there are two tertiary nalas and one secondary nala passing in the said land. The land in survey numbers 42 and 43 where two blocks have been constructed, there is a tertiary nala passing on the western side. Earlier the BDA has sanctioned the development plan without taking the cognisance of this existing nala. Hence the proponent has constructed these two blocks without leaving any buffer to this nala. Also there is a secondary nala on the eastern side of this land in survey no 42 and 43, for which as per sanctioned development plan, the proponent has left 25 meters on either side of the nala from the centre of the nala. The parcel of land for which this modified proposal has been brought up has a tertiary nala on the eastern side and secondary nala on the western side.

Now the proposal is for modification leaving 25 meter buffer zone for the secondary nala and not leaving any buffer to the tertiary nala. During the appraisal, the proponent has agreed to revise the concept plan leaving buffer zone as per the NGT order for the project in the balance land and has requested not to insist for leaving

buffer zone as per the NGT order for the two blocks which have already been completed. The proponent has agreed to revise the concept plan as per the NGT order and requested to consider the EIA studies made already while appraising the proposal as per the new concept plan.

The committee after discussion decided to defer the proposal and asked the proponent to submit revised fresh proposal to the SEIAA.

The proponent was invited for the 199<sup>th</sup> meeting held on 1<sup>st</sup> & 2<sup>nd</sup> June 2018 to provide required information/clarification. In the meantime the proponent has submitted a letter vide dated:31-5-2018 informing that they are not able to attend the meeting and requesting for some more time to submit their revised proposal along with the necessary documents.

The committee perused the letter submitted by the proponent and observed that in spite of giving sufficient time, the proponent has not submitted the revised application. However, the committee after discussion/deliberation decided to give final opportunity to submit the revised application and hence deferred the subject.

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

The subject was placed in the 204<sup>th</sup> SEAC meeting held on 10<sup>th</sup> August 2018. The proponent remained absent. Since the proponent has failed to submit the modified concept plan accommodating the buffer zone as per NGT order for the last nine months, the committee decided to recommend the file for closure and delist from pendency.

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

**204.13 Production Modification & Expansion of Speciality Detergent Liquid Blend/Detergent bars & Detergents scouring bars and Bio fuel briquette" at Plot No.61, and 62, KIADB Industrial Area, Malur-563130, Kolar District of ECOF Industries Pvt Ltd (SEIAA 28 IND 2015)**

M/s. ECOF Industries Pvt. Ltd., have applied for Environmental Clearance from SEIAA for their proposed Expansion of additional Product Manufacturing at Plot No.61 & 62, Malur KIADB Industrial area, Malur-563130, Kolar District.

This is a project falling under the category 5(f) of the Schedule of EIA Notification 2006, Under Category - B. The total land area is 8,036 Sq.mts, Existing factory area 2,374 Sq.mts, proposed Expansion is 1,372 Sq.mts, Total plot area is 3,746 Sq.mts.

- 1. Proposed Activity:** The proposed activity will involve in the Expansion of additional product manufacturing of

1. Specialty Detergent Liquid Blend.
2. Biofuel Briquette
3. Detergent Bars & scouring bars.

**2. Proposed Manufacturing Capacities:**

Sl. No.	Product	Existing Capacity Per Month (in MT)	Proposed capacity in MT
1	Sugar Esters	360	-
2	CAPB	50	-
3	CDEA	25	-
4	Detergent Scouring Powder	2000	New machinery will be installed
5	Detergent Powder	3000	New machinery will be installed
6	Specialty Detergent Liquid Blend	-	1500
7.	Biofuel/Briquettes	-	300
8.	Detergent Bar/scouring Bar	-	2000

3. **Capital Investment:** Rs.6,00,00,000/-  
(Six Crore Rupees only)
4. **Water Requirement:**The water used for expansion is fully consumed in the process. Thus no additional water is required. The Source of water is from the KIADB water supply.
5. **Solid Waste Management:**Totalash generated in the project is500 Kg/day;will be disposed as manure, given to farmers.
6. **Hazardous waste management:**Waste oil of 200 kg/year will be generated from the industry as spent lubricants and coolants from gear and D.G. sets. The total quantity thus generated is small in quantity which shall be sold to the reprocessors.
7. **Energy Requirement:** The power requirement for the proposed project is25 KVAobtainedfromBESCOM. 500 KVA DG set will be installed for emergency power supply during power failure.
8. **Green Belt Development:** Proposed to develop in 2,700 Sq.mts
9. **Enclosures:**Sample Test Reports, Analysis reports, Plant layout

The proponent was invited for the 152<sup>nd</sup> meeting of SEAC held on 2<sup>nd</sup> and 3<sup>rd</sup> November 2015 to provide required clarification. The proponent remained absent with intimation.

The Committee had 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 and Environmental Consultant attended the 154<sup>th</sup> meeting of SEAC held on 24<sup>th</sup>, 25<sup>th</sup> and 26<sup>th</sup> November 2015 to provide clarification/additional information.

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

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance after the submission of the following information.

1. Combined water balance chart (Existing & proposed)
2. Comparative statement between earlier (for which EC issued) & and present proposal
3. Details of energy and water requirement

The Authority perused the proposal and took note of the recommendation of SEAC along with the reply submitted by the proponent vide letter dated 17.12.2015 during the 111<sup>th</sup> SEIAA meeting held on 11<sup>th</sup> January 2016.

The Authority noted that as per the OM No. J-13012/12/2013-IA-II (I) dated 24<sup>th</sup> December, 2013, the activities listed at Sl. No. 5(f) of schedule to EIA Notification, 2006 are to be appraised as B1 category activity, whereas the minutes of SEAC meeting do not reveal as to how the project has been recommended for Environmental Clearance. The Authority therefore decided to refer the proposal back to SEAC to appraise as B1 category activity following the due procedure of law and send the recommendation deemed fit based on merit.

The committee took note of the Authority during the 161<sup>st</sup> meeting of SEAC held on 28<sup>th</sup> and 29<sup>th</sup> March 2016 and noted that the activity is not covered under EIA Notification 2006. Since it is an expansion project for which the EC has been issued by SEIAA vide letter No. SEIAA 10 IND 2012 dated 24<sup>th</sup> November 2012 the Committee had decided to recommend the proposal for issue of modification of EC in its earlier meeting. Now the proposal is referred back to SEAC to appraise the proposal as B1 Category from SEIAA. Hence, the committee had decided to defer the proposal to next meeting and get the clarification on OM No. J-13012/12/2013-IA-II (I) dated 24<sup>th</sup> December, 2013, Sl. No. 5(f) of schedule to EIA Notification, 2006 from the Authority and to take appropriate decision.

The Authority perused the proposal and took note of the request made by SEAC during the 118<sup>th</sup> meeting of SEIAA held on 17<sup>th</sup> June 2016. The Authority discussed the issues and made the following observations:

1. There is no ambiguity with regard to classification of activities as B1 and B2 in the O.M. dated 24<sup>th</sup> December 2013.
2. With regard to 5(f), the committee may refer Technical EIA Guidance Manual for synthetic organic chemicals industry prepared by IL & FS and approved by MoEF, Government of India. As per the classification of synthetic organic chemicals, Esters, Amines, Benzenes, Alcohols, Detergents etc are covered under synthetic organic chemicals. therefore the proposed activity, wherein manufacturing of Esters, Alkolonamido, Coco Amido Propyl Betaine, etc get covered under 5(f) of the schedule of EIA Notification, 2006.

The Authority therefore decided to refer the file back to SEAC to appraise the proposal as category B1 activity in accordance with the provisions of law.

The Proponent and Environmental Consultant from M/s. K.R.S. Enterprises (obtained stay from the Hon'ble High Court of Karnataka) attended the meeting of SEAC to provide required clarification/additional information.

The committee noted the observations of the SEIAA. In the light of the observations made, the SEAC appraised the proposal afresh. The proponent who appeared before the SEAC made the following submissions.

1. The proposed manufacturing activity is only for mixing of detergent products as a standalone process
2. There is some amount of modernisation of the existing manufacturing with latest control systems.
3. Additional construction of building for making of bio-fuel ie., briquettes

On further enquiry it is ascertained that there is no change in synthetic organic chemicals manufacturing activity, but no such synthesis is proposed in the present activity. With the above observations, the SEAC is of the opinion that, the proposed manufacturing activity in respect of detergent mixing and briquette making do not fall under EIA Notification, 2006. Hence they do not qualify to be considered as B1 project, in case, it is considered as a standalone product however on the advise of SEIAA, the SEAC decided to take into account the other components such as modernization, building construction and EC already issued. In the light of the above, the project is appraised as B1 and decided to recommend the proposal to SEIAA for issue of ToRs for conducting the EIA studies in accordance with the EIA Notification, 2006 and relevant guidelines.

The proponent has submitted the EIA report vide letter dated: 31-10-2017. The proposal is therefore placed before the committee for EIA appraisal.

Description	Earlier Proposal		Present Proposal	
	Products	Capacity MTM	Products	Capacity MTM
File no.	SEIAA 10 IND 2012		SEIAA 43 IND 2016	
Project Name	Expansion for Manufacturing of specialty Surfactants		Modification & Expansion for Manufacturing of specialty Surfactants	
Proponent	M/s. ECOF Industries Private Limited		M/s. ECOF Industries Private Limited	
Total Site Area	8,036Sqmt		8,036Sqmt	
Greenbelt area	2,812Sqmt (35%)		2,700Sqmt (33.5%)	
Name of Products & its capacity	Products	Capacity MTM	Products	Capacity MTM

	Sugar Esters	360	Sugar Esters	360
	Coco Amido Propyl Betaine (CAPB)	50	Coco Amido Propyl Betaine (CAPB)	50
	Coco Di Ethanol Amine (CDEA)	25	Coco Di Ethanol Amine (CDEA)	25
	Detergent Scouring Powder	2000	Detergent Scouring Powder (Machinery will be installed)	2000
	Detergent Powder	3000	Detergent Powder (Machinery will be installed)	3000
			Specialty Detergent Liquid Blend	1500
			Biofuel/briquettes	300
			Detergent bars/Scouring bars	2000
Land use	KIADB land		KIADB land	
Water required	75 KLD		(75+20) 95 KLD	
Source of water	KIADB		KIADB	
Power Requirement	436 kVA		300 kVA	
Power Source	BESCOM		BESCOM	
Power Back up	1X500 kVA		1X125kVA,2X500 kVA	
Project cost	9.1 Crores		Rs. (9.1+6)15.1Crores	

The proponent and Environment consultant attended the meeting to present the EIA report and to provide required clarification and additional information.

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

The Committee after discussion had decided to recall the proponent after submission of the following information:

- 1) Treatment scheme to ensure zero effluent discharge may be worked out and furnished.
- 2) Soil analysis report as per CPCB norms has to be carried out and submitted.
- 3) The comparative statement of the water(Ground and surface) and air analysis between the baseline data when earlier EC was issued and the present studies may be furnished.
- 4) MOU with water suppliers and their test results may be furnished.
- 5) Boiler ash chemical analysis reports may be furnished.
- 6) Details of risk assessment studies may be furnished.

- 7) Air quality analysis report before and after commencement of the project shall be submitted.
- 8) Characteristics of the effluents with their individual volumes to be furnished.
- 9) List of plant species found in study area as well as project area to be furnished.
- 10) List of plants species wise number existing in the green belt all round the project area, planted in the vacant area within the project site and also on road sides to meet earlier EC conditions to be furnished.

The proponent has not submitted the same.

The proposal is therefore placed before the committee for decision.

The proponent was invited for the 199<sup>th</sup> meeting held on 1<sup>st</sup>& 2<sup>nd</sup> June 2018 to provide required clarification. The proponent remained absent.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and additional information provided in the file. The committee opined that the appraisal cannot be completed for want of information sought by the committee in its earlier meeting.

The committee decided to give final opportunity to submit the required information and decided to defer the subject.

The proponent was invited for the 204<sup>th</sup> meeting held on 10<sup>th</sup> August 2018 to provide required information/clarification. The proponent remained absent and has failed to submit the required studies/details for the last eight months. In view of this inordinate delay, the committee could not proceed with appraisal and decided to recommend for closure.

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

**204.14 Proposed Residential Development Project at Sy.Nos.18(P), 19, 20(P), 23, 24(P) of Srirampura Village and Sy.No.66/2(P), 67, 196, 197, 198, 199, 203, 204, 213, & 214/ of Gattahalli Village, SarjapuraHobli, AnekalTaluk, Bengaluru by M/s Adarsh Developers, Bengaluru(SEIAA 85 CON 2018)**

Sl. No.	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/s. Adarsh Developers No. 10, VittalMallya Road,



		Bengaluru - 560 001.
2	Name & Location of the Project	Proposed Residential Development. At Sy. Nos. 18(P), 19, 20(P), 23, 24(P) of Sriramapura Village and Sy. Nos. 66/2(P), 67, 196, 197, 198, 199, 203, 204, 213 & 214/1 of Gattahalli Village, SarjapuraHobli, AnekalTaluk, Bengaluru.
3	Co-ordinates of the Project Site	Latitude: 12°52'23.03" N Longitude: 77°41'22.73" E
4	Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,) With reference to project site, Gattahalli lake is adjacent to the project site for which a buffer of 75m has been left from the edge of the lake. Also, with reference to the project site there are two nalakharab. One at Sy. No. 18 and another one is at Sy. No. 67 & 196 for which a buffer of 25m has been left from the edge of the nalakharab 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. With reference to project site, Gattahalli lake is adjacent to the project site for which a buffer of 75m has been left from the edge of the lake. Also, with reference to the project site there are two nalakharab. One at Sy. No. 18 and another one is at Sy. No. 67 & 196 for which a buffer of 25m has been left from the edge of the nalakharab 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 Residential Development Project
	b.	Residential Township/ Area Development Projects Area Development project
6	Plot Area (Sqm)	2,07,197.50 Sqmt (51 Acres 8 Guntas)
7	Built Up area (Sqm)	5,45,458.78 Sqmt
8	Building Configuration [Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	Apartments: 2B+G+24UF EWS Units: 2B+G+23UF Villas: G+1UF
9	Number of units in case of Construction Projects	The project comprises of 2,543 Nos. of apartments, 174 Nos. of Villas and 272 Nos. of EWS units in 37 Blocks. Hence the total number of units are 2,989 Nos.
10	Number of Plots in case of	NA

	Residential Township/ Area Development Projects	
11	Project Cost (Rs. In Crores)	Rs. 890 Crores
12	Recreational Area in case of Residential Projects / Townships	No
13	Details of Land Use (Sqm)	
	a.	Ground Coverage Area 46,801.71 Sqmt
	b.	Kharab Land 2,529.27 Sqmt
	c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006 88,896.17Sqmt
	d.	Internal Roads 56,446.54 Sqmt
	e.	Paved area --
	f.	Others Specify Service Area - 1,754.10Sqmt Civic Amenity Area - 10,234.00 Sqmt Already road widened area -289.81 Sqmt Proposed road widening area -245.90 Sqmt
	g.	Parks and Open space in case of Residential Township/ Area Development Projects Included in the landscape area
	h.	Total 2,07,197.50Sqmt
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) 4,95,000 Cum
	c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter) 4,25,000Cum
	d.	Excess excavated earth (in cubic meter) 70,000 Cum
	e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal To be used in other construction site.
15	WATER	
	I.	Construction Phase

	a.	Source of water	Labor camp mobile STP Treated Water for construction purpose and External authorized tanker for domestic purpose.	
	b.	Quantity of water for Construction in KLD	70.0 KLD	
	c.	Quantity of water for Domestic Purpose in KLD	185.0 KLD	
	d.	Waste water generation in KLD	167 KLD	
	e.	Treatment facility proposed and scheme of disposal of treated water	The total sewage generated from construction site & labor camp is 167 KLD which will be treated in a mobile STP of capacity 170 KLD; Treated sewage will be re-used for Dust Suppression, Gardening & Construction purpose.	
	II.	Operational Phase		
	a.	Total Requirement of Water in KLD	Fresh	1,492 KLD
			Recycled	726 KLD
			Total	2,218 KLD
	b.	Source of water	Shanthipura Grama Panchayat/ Borewells	
	c.	Waste water generation in KLD	1,885 KLD	
	d.	STP capacity	1,950 KLD	
	e.	Technology employed for Treatment	Advanced Sequential Bio-Reactor Technology	
	f.	Scheme of disposal of excess treated water if any	For Flushing - 726 KLD For Landscaping - 711 KLD For Avenue Plantation & construction purpose - 259 KLD	
16	Infrastructure for Rain water harvesting			
	a.	Capacity of sump tank to store Roof run off	725 Cum	
	b.	No's of Ground water recharge pits	90 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	320 kg/Day from Construction Site & 382 kg/Day from Labor Camp. Solid waste generated from the labor camp and construction site will be collected manually and handed over to authorized recyclers.	
	II.	Operational Phase		
	a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	4.3 MT/Day. Biodegradable wastes will be segregated at the source and will be processed in proposed organic waste converter.	
	b.	Quantity of Non- Biodegradable	2.9 MT/Day. Non-biodegradable Wastes will be	

	waste generation and mode of Disposal as per norms	given to the waste recyclers.		
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste Oil Generation: 6.73l/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	25,000 kVA		
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	990 kVA X 14 Nos.		
c.	Details of Fuel used for DG Set	2,904 l/hr		
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Solar lighting & water heaters HF ballast Cu wound transformer PHE pumps LED Energy Savings: 25%		
20	PARKING			
a.	Parking Requirement as per norms	Required 3,138 Nos.	Provided 3,180 Nos.	
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Road	Modified V/C and LOS by adding the generated traffic	Changed Scenario-1 After Widening
Approach Road		D	B	
Gattahalli Main Road		D	A or B	
c.	Internal Road width (RoW)	8.0m		

The proposal was placed before the committee for appraisal.

The proponent was invited for the 200th meeting held on 15th June 2018 to provide required clarification and additional information.

In the meanwhile, the proponent has submitted a letter vide dated: 12-6-2018 requesting the committee to provide one more opportunity to present their project proposal in the next meeting as there are few changes to be made in their conceptual plan and will submit the revised plan along with revised application.

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

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

The proponent remained absent. The committee noted that after submitting the EIA studies the proponent has requested for some more time in order to modify the concept plan vide their letter dated:12-6-2018 and even after nearly two months the proponent has failed to respond and come up with the alternate plan and modified application which the committee has taken a serious view. Taking all the above facts into consideration and this being the B1 project the committee decided to give final opportunity informing the proponent that if he fails to respond, the project will be recommended for closure.

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

**204.15** Proposed Residential Apartment Projects at Sy.No.403 of Adugodi Village, Bangalore South Taluk, Bangalore District by M/s. Karnataka State Police Housing & Infrastructure Development Corporation Ltd. (SEIAA 67 CON (VIOL) 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Executive Engineer M/s. Karnataka State Police Housing and Infrastructure Development Corporation Ltd At #59, Richmond Road, Bengaluru - 560025
2	Name & Location of the Project	Development of Residential Apartment At Survey No. 403, Audugodi police Quarters, Hosur Road, Audugodi, Koramangala, Bengaluru
3	Co-ordinates of the Project Site	Latitude: 12°56'27.31" N Longitude: 77°36'36.92"E
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	--
b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if	Not Applicable

	Applicable.	
5	Type of Development	
a.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other	Development of Residential Apartment
b.	Residential Township/ Area Development Projects	Not Applicable
6	Plot Area (Sqmt)	1,49,864.4 Sqmt (37 Acres)
7	Built Up area (Sqmt)	1,01,237.87 Sqmt
8	Building Configuration [Number of Blocks/Towers/Wingsetc.,with Numbers of Basements and Upper Floors]	Proposed building: Block- A to F: G+7 floors - 25.65m - 384 units Existing building: 1280 units <input type="checkbox"/> Audugodi police station <input type="checkbox"/> Traffic police station <input type="checkbox"/> B3 to B20: G+2 Floors and B21 to B39 <input type="checkbox"/> Quarters: H1 to 30, I1 to 30, J1 to 30, K1 to 28, L1 to 28, M1 to 28, N1 to 28
9	Number of units in case of Construction Projects	1664 units
10	Number of Plots in case of Residential Township/ Area Development Projects	Not Applicable
11	Project Cost (Rs. In Crores)	Proposed - 30Crores
12	Recreational Area in case of Residential Projects / Townships	Not Applicable
13	Details of Land Use (Sqmt)	
a.	Ground Coverage Area	21,936.02 Sqmt
b.	Kharab Land	--
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	39,304.26 Sqmt
d.	Internal Roads	39,190.12 Sqmt
e.	Paved area	--
f.	Others Specify	Future development - 26,881.00 Sqmt
g.	Parks and Open space in case of Residential Township/ Area Development Projects	15,028Sqmt
h.	Total	1,49,864.4 Sqmt (37 Acres)
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	Not Applicable since it is new project

	Demolition waste management Rules 2016, If Applicable		
b.	Total quantity of Excavated earth (in cubic meter)	2500 Cum	
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	2500 Cum completely utilised within the project site	
d.	Excess excavated earth (in cubic meter)	There is no excess excavated earth	
e.	Plan for scientific disposal of excess excavated earth along with Coordinate of the site proposed for such disposal	Backfilling, foundation, road area and for gardening	
15	WATER		
I.	Construction Phase		
a.	Source of water	STP treated water for construction purpose & Tanker water for domestic	
b.	Quantity of water for Construction in KLD	15 KLD .	
c.	Quantity of water for Domestic Purpose in KLD	5 KLD	
d.	Waste water generation in KLD	4 KLD	
e.	Treatment facility proposed and scheme of disposal of treated water	will be treated in mobile STP	
II.	Operational Phase		
a.	Total Requirement of Water in KLD	Fresh	749 KLD
		Recycled	89KLD
		Total	1123 KLD
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	898 KLD	
d.	STP capacity	900 KLD	
e.	Technology employed for Treatment	Sequencing Batch Reactor (SBR) Technology	
f.	Scheme of disposal of excess treated water if any	327 KLD will be used for public park maintenance	
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	103 no's	
17	Storm water management plan	<ul style="list-style-type: none"> <li>Land is gently sloping terrain and sloping towards South direction.</li> <li>Separate and independent rainwater drainage</li> </ul>	

		<p>system will be provided for collecting rainwater from terrace and paved area, lawn &amp; roads.</p> <ul style="list-style-type: none"> <li>• Rainwater collection tank of capacity 300cum is proposed which will be provided to collect the roof run off, which will be reused after prior treatment.</li> <li>• 103 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</li> </ul>
18	WASTE MANAGEMENT	
I.	Construction Phase	
a.	Quantity of Solid waste generation and mode of Disposal as per norms	Quantity - 25 kg/day Solid waste will be collected manually and handed over to local body for further processing
II.	Operational Phase	
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	Quantity - 2496 Kg/day Organic wastes will be segregated & collected separately and processed in organic waste converter Sludge generated from STP of capacity 45 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 - 1664 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 - 6656 kW
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	1X250KVA, 1X320KVA
c.	Details of Fuel used for DG Set	
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	Energy conservation devices such as Solar energy, LED lights, Copper wound transformer are proposed in the project. Overall energy saving is 20%
20	PARKING	
a.	Parking Requirement as per norms	Required = 422 no's, Provided = 422 no's



b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	Will be conduct during EIA study
c.	Internal Road width (RoW)	Approach road width - 24m Internal road width is - 9, 14 m

The proponent was invited for the meeting.

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

Since the proponent has not come prepared to make presentation, he has requested the committee for some more time, for which the committee accepted and decided to give final opportunity.

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

**204.16 Proposed Expansion of Dumagere Green Granite Quarry at Sy.No.05(part) of Dumagere, Hassan by Ms/ Karnataka State Minerals Corporation Limited (Formerly Mysore Minerals Limited) (SEIAA 28 MIN 2018)**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Naveen Raj Singh, IAS Managing Director, A Block, 5 <sup>th</sup> floor, TTMC Building, BMTC, Shantinagar, BANGALORE-560 027.
2	Name & Location of the Project	Dumagere Green Granite Quarry of Karnataka State Mineral Corporation Limited, Survey No.05(P) Dumagere Village, Hassan Taluk & District, Karnataka-573220.
3	Co-ordinates of the Project Site	12°54'51.8"N to 12°55'22.4"N 76°11'51.9"E to 76°12'01.1"E
4	Type of Mineral	Green Granite
5	New / Expansion / Modification / Renewal	Expansion
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	11.30 Ha
9	Actual Depth of sand in the lease	Not applicable

	area in case of River sand													
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	<table border="1"> <thead> <tr> <th>Pit No.</th> <th>Length in m</th> <th>Widht in m</th> <th>Depth in m</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>180</td> <td>38</td> <td>10</td> </tr> <tr> <td>2</td> <td>160</td> <td>60</td> <td>18</td> </tr> </tbody> </table>	Pit No.	Length in m	Widht in m	Depth in m	1	180	38	10	2	160	60	18
		Pit No.	Length in m	Widht in m	Depth in m									
		1	180	38	10									
2	160	60	18											
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	3922 m <sup>3</sup> /annum												
14	Quantity of Topsoil/Over burden in cubic meter	Over burden : 11,150 m <sup>3</sup>												
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	17,918 m <sup>3</sup> /annum												
16	Project Cost (Rs. In Crores)	Rs.2.00 crores/-												
17	Environmental Sensitivity													
	a. Nearest Forest	<ul style="list-style-type: none"> <li>Hongere RF ~ 3.6 km - Ne</li> <li>Burdalbare RF ~ 4.3 km - NNW</li> <li>GandeGhatte RF ~ 10 km - NW</li> <li>KattayaRf ~ 11.3 km - WSW</li> </ul>												
	b. Nearest Human Habitation	Dumagere village = 0.4 km												
	c. Educational Institutes, Hospital	Malanad college of Engineering, Hassan 15 km Hassan Institute of Medical Sciences, Hassan 15 km												
	d. Water Bodies	<ul style="list-style-type: none"> <li>Therenya lake ~ 4.7 km -SE</li> <li>Devihalli Tank ~ 5.6 km - NE</li> <li>Shantigrama Lake ~ 7.3 km - NNE</li> <li>Karakere Lake ~ 7.6 km-NE</li> <li>Hemavathi river ~ 9.4 km - SSW</li> <li>ChannapatnaKere ~ 11.5 km - NW</li> <li>Hemavathi reservoir ~ 4.7 km - SW</li> </ul>												
	e. Other Specify	--												
18	Applicability of General Condition of the EIA Notification, 2006	No												
19	Details of Land Use in Ha													
	a. Area for Mining/ Quarrying	2.50 Ha												
	b. Waste Dumping Area	2.20 Ha												
	c. Top Soil Storage Area													
	d. Mineral Storage Area	0.50 Ha												

	e.	Infrastructure Area	0.20 Ha	
	f.	Road Area	0.60 Ha	
	g.	Green Belt Area	0.40 Ha	
	h.	Unexplored area	4.90 Ha	
	i.	Others Specify	--	
20	Method of Mining/ Quarrying		Open cast, Semi mechanized	
21	Rate of Replenishment in case River sand project		Not applicable	
22	Water Requirement		--	
	a.	Source of water	Own Borewell	
	b.	Total Requirement of Water in KLD	Dust Suppuration	1.5
			Domestic	2.0
			Other	1.5
			Total	5.0
23	Storm water management plan		Garland drain	
24	Any other information specific to the project (Specify)			

The proponent was invited for the 197<sup>th</sup> meeting held on 5<sup>th</sup> May 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 case he remains absent.

The proponent was invited for the 199<sup>th</sup> meeting held on 1<sup>st</sup>& 2<sup>nd</sup> June 2018 to provide required information and clarification. The committee observed that the proponent has not submitted the details of cross section of mining and also there were some discrepancies in the report submitted.

The committee after discussion decided to defer the subject with a intimation to the proponent to set right the discrepancies and to submit along with the cross section of mining and come for appraisal.

The proponent was invited for 202<sup>nd</sup> meeting held on 12<sup>th</sup> July 2018 to provide clarification. The proponent and Environment consultant attended the meeting and requested for more time. The committee after discussion/deliberation decided to give final opportunity with a intimation that the subject shall be appraised based on merit and hence deferred the appraisal.

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

The proponent and environment consultant attended the meeting. During the appraisal, the committee made the following observation and decided to recall the proponent after due compliance:

- 1) The land use details chart should be updated indicating the actual area taken up for mining and other details and if need be modified quarry plan to be submitted.
- 2) Compliance to the earlier E.C conditions may be detailed.
- 3) Mitigative measures to protect the nearby water body and nala may be detailed and submitted.
- 4) Fire protection measures along with budget back up may be detailed and submitted.
- 5) EMP activities along with budget provisions may be detailed and submitted.
- 6) Soil analysis report may be relooked into since the NPK and organic matter are above the national average.

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

204.17 Proposed Multi color Granite Quarry at Sy.No.50 & 269(old Sy No.166) of Yadamarahalli and Mahimanahalli, Kanakapur Taluk, Ramnagar District (10.25 ha) by M/s Karnataka State Minerals Corporation Ltd., (formerly Mysore Minerals Limited) (SEIAA 37 MIN 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	M/S. Karnataka State Minerals Corporation Limited, 'A' Block, 5 <sup>th</sup> floor, TTMC Building, BMTC Shanthinagar, Bangalore-560027.
2	Name & Location of the Project	Yadamaranahalli Multi-Colour Granite Quarry of KSMCL.
3	Co-ordinates of the Project Site	Latitude: 12°25'07.93"N to 12°24'44.14"N Longitude: 77°22'55.40"E to 77°23'05.35"E
4	Type of Mineral	Multicolour Granite
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	10.25 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	Existing Quarry, not in Operation
13	Annual Production Proposed (Metric Tons/ CUM) / Annum	3510 m <sup>3</sup> /annum
14	Quantity of Topsoil/Over burden in cubic meter	1404 m <sup>3</sup>
15	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	12200m <sup>3</sup>
16	Project Cost (Rs. In Crores)	1.93 Crores
17	Environmental Sensitivity	
	a. Nearest Forest	<ul style="list-style-type: none"> <li>• BasavannaBetta Forest - 8.7 km (SW)</li> </ul>
	b. Nearest Human Habitation	<ul style="list-style-type: none"> <li>• Yadamaranahalli - 1.0 Km (NE)</li> <li>• DoddaAlahali - 2.83 Km (SE)</li> <li>• Acchalu - 6.5 Km (NW)</li> </ul>
	c. Educational Institutes, Hospital	<ul style="list-style-type: none"> <li>• GR Institute - 18 Km (NE)</li> <li>• Rural Degree Collage - 18.3 Km (E)</li> <li>• PratamikaArogya Kendra</li> </ul>
	d. Water Bodies	<ul style="list-style-type: none"> <li>• Yadamaranahalli Lake - 0.75 Km (NW)</li> <li>• ArishinaKere - 0.81 Km (S)</li> <li>• Metrekalkere - 3.03 Km (W)</li> <li>• Arkawathi River - 5.8 Km (E)</li> <li>• Halasuru Lake - 6.30 Km (W)</li> </ul>
	e. Other Specify	---
18	Applicability of General Condition of the EIA Notification, 2006	No
19	Details of Land Use in Ha	
	a. Area for Mining/ Quarrying	1.46

	b.	Waste Dumping Area	1.62	
	c.	Top Soil Storage Area	0.10	
	d.	Mineral Storage Area	0.60	
	e.	Infrastructure Area	0.50	
	f.	Road Area	0.71	
	g.	Green Belt Area	1.16	
	h.	Unexplored area	1.20	
	i.	Others Specify	---	
20	Method of Mining/ Quarrying		Open Cast Mining	
21	Rate of Replenishment in case River sand project		Not Applicable	
22	Water Requirement		5 KLD	
	a.	Source of water	Bore Well	
	b.	Total Requirement of Water in KLD	Dust Suppuration	1.5 KLD
			Domestic	1.8 KLD
			Other	1.7 KLD
			Total	5 KLD
23	Storm water management plan		Garland drain	

The proposal was placed before the committee for appraisal.

The proponent was invited for the 201<sup>st</sup> meeting held on 29<sup>th</sup> and 30<sup>th</sup> June 2018 to provide required clarification and additional information. The proponent remained absent.

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

The proponent was invited for the 202<sup>nd</sup> Meeting held on 12<sup>th</sup> July 2018 to provide clarification/additional information. The proponent and Environment consultant attended the meeting and requested for some more time as they are not prepared for the appraisal. The committee after discussion agreed to give more time and hence deferred the appraisal.

The proponent was invited for the meeting. The proponent and environment consultant attended the meeting. The committee during the appraisal made the following observation and decided to recall for due compliance.

- 1) Since the project is nearer to the wildlife area, detail survey about the flora and fauna within the radius of 15 KM of the project area may be conducted and mitigative measures for the protection of flora(reserved kinds) & fauna(schedule animals) may be proposed.
- 2) Approved quarry plan with correct land use details may be detailed.

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

above information.

204.18 Proposed Expansion/Modification of Residential Apartment Projects at No.2-172-70/1 of Goraguntepalya Village, Bangalore North Taluk, Bengaluru District by M/s. Merushikhar Infra LLP (SEIAA 65 CON 2018)

1.	Name & Address of the project		Construction of Residential Apartment - "REVANTA - M/s MERUSHIKHAR INFRA LLP" Sy.No.70/1, MES Road, Goraguntepalya, Yeshwanthpur Industrial Area, Bengaluru-560 022.
2.	Plot Area		14010.00 Sqm
3.	Total Built-up area		73,830.44 sqm
4.	Building Configuration and Number of Units		2B+G+24Upper Floors 424 units and a club house
5.	Height of the building		76.35
6.	Land use as per CDP		
7.	Land use details	Ground coverage area	
		Landscape	
8.	Car Parking		468 Nos
9.	Source of Power		BESCOM 2147KW
	Power requirement	Construction Phase	
		Operational Phase	
10.	Backup DG sets		4No. Of DG sets each of 500 KVA capacity
11.	Energy savings		
12.	Source of water	Construction Phase	10 KLD
13.		Operational Phase	
14.	Total water requirement	Construction Phase	
15.		Operational Phase	
16.	Wastewater generation in KLD		266 KLD
17.	STP capacity in KLD & technology		270 KLD
18.	Rain water harvesting implementation, Recharge pits, Storage capacity		
19.	Traffic : nearest road - LOS - Existing & modification		
20.	Solid waste disposal details		Biodegradable 508.8 Kg Non Biodegradable 339.2 KG
21.	Cost of the Project		

The proposal was placed before the committee for appraisal.

The proponent was invited for the 198<sup>th</sup> meeting held on 18<sup>th</sup> May 2018 to provide required clarification. The proponent remained absent. In the meanwhile the proponent has submitted a letter dated:16-5-2018 informing that they are not able to attend the meeting and requested to permit them to make their presentation in the subsequent meetings.

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

The proponent was invited for the meeting. In the meantime the proponent has submitted letter vide dated:9-7-2018 and subsequently on 9-8-2018 requesting to present their subject after 15<sup>th</sup> October 2018. The committee perused the letters submitted by the proponent and observed that as per the records the proponent has made out the application on 28-3-2018 for total BUA of 71,556.62 sqmts spread over an area of 14,010.11 sqmts. The earlier EC was issued on 13-1-2016 was for total built up area of 73,830.44 sqmts. The number of floors proposed earlier 2B+G+18 UF. The number of floors now proposed is 2B+G+24 UF. Even though there is a abnormal increase in the height of the building the proponent stating that the BUA is getting reduced and he has not given any comparative study to substantiate the same. In spite of three opportunities given to the proponent he failed to turn up and explain the discrepancies and straight away requested time up to 15-10-2018 which will be more than 6 month from the date of application. Hence the committee opined the file cannot be kept pending for such a long time and decided to recommend for closure.

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

**204.19** Proposed Facility for Aerospace Engineering & Technology with Electronics / Avionics Assembly Integration Testing (AIT) Project at Plot Nos.55-B, 56, 57 and 59 of Defense & Aerospace Park (Aerospace Sector) Devanahalli Village, Jalahobli, Yelahanka Taluk, Bangalore Rural District By M/s. BOEING INDIA PVT. LTD. (SEIAA 113 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Mr. George John, Regional Facilities Planner



		M/s. Boeing India Pvt Ltd., 4th Floor, Block- A, Lake View Building, Bagmane Tech Park, C.V. Raman Nagar, Bengaluru - 560 093
2	Name & Location of the Project	" BOEING BENGALURU CAMPUS" Plot Nos. 55-B, 56, 57 and 59, Hi-Tech, Defence & Aerospace Park (Aerospace Sector) Devanahalli Village, Jalahobli, Yelahanka Taluk, Bengaluru (Rural) - 562 110
3	Co-ordinates of the Project Site	Latitude: 13°10'56.74"N Longitude: 77°43'20.62"E
4	Environmental Sensitivity	
	a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.)
	b.	Type of water body at the vicinity of the project site and Details of Buffer provided as per NGT Direction in O.A 222 of 2014 dated 04.05.2016, if Applicable.
		Bettakote lake at 3.0 Km (North), Bandikodegehalli Amanikere at 3.18 Km (West).
5	Type of Development	
	a.	New/Expansion/Modification
	b.	Residential Apartment / Villas / Row Houses / Vertical Development / Office / IT/ ITES/ Mall/ Hotel/ Hospital /other
	c.	Residential Township/ Area Development Projects
		New project
		Other-Facility for Aerospace Engineering & Technology with Electronics / Avionics Assembly Integration Testing (AIT)
		-
6	Plot Area (Sq.m)	1,73,238.14 sqm m (42.81 Acres)
7	Built Up area (Sq.m)	79,294 sq m
8	Building Configuration [ Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	The proposed Project consists of 5 Blocks. Block B1- Office Block :- Block comprises of lower ground, ground and 5 upper floors Block B2:- Lab/AIT Block:- Ground and Two upper floors. Block B3:- Visitor Centre:- Ground Floor. Block B4:- Utility Centre:- Ground Floor Block B5:- Canine Block:- Ground Floor.
9	Number of units in case of Construction Projects	-
10	Number of Plots in case of Residential	-

	Township/ Area Development Projects	
11	Project Cost (Rs. In Crores)	Rs. 957,00,00,000/- (Rupees Nine Hundred and Fifty Seven Crores Only)
12	Recreational Area in case of Residential Projects / Townships	-
13	Details of Land Use (Sq.m)	
a.	Ground Coverage Area	23,169.75 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	63,379.09sq m
d.	Internal Roads	25,984.21 sq m
e.	Paved area	-
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	-
h.	Total	1,12,533.05 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	400 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 50,000 cum.
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	The total quantity of excavated soil is about 50,000 cum. All excavated soil will be used for landscape development and for backfilling within the project site
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	Bore well
b.	Quantity of water for Construction in KLD	-
c.	Quantity of water for Domestic Purpose in KLD	22.5 KLD
d.	Wastewater generation in KLD	18 KLD
e.	Treatment facility proposed and scheme of	The wastewater generated will be

	disposal of treated water	treated in Package Sewage Treatment Plant of 20 KLD Capacity						
II.	Operational Phase							
a.	Total Requirement of Water in KLD	<table border="1"> <tr> <td>Fresh</td> <td>65 KLD</td> </tr> <tr> <td>Recycled</td> <td>55 KLD</td> </tr> <tr> <td>Total</td> <td>125 KLD</td> </tr> </table>	Fresh	65 KLD	Recycled	55 KLD	Total	125 KLD
Fresh	65 KLD							
Recycled	55 KLD							
Total	125 KLD							
b.	Source of water	Bore well						
c.	Waste water generation in KLD	112.5 KLD						
d.	STP capacity	115 KLD						
e.	Technology employed for Treatment	SBR						
f.	Scheme of disposal of excess treated water if any	-						
16	Infrastructure for Rain water harvesting							
a.	Capacity of sump tank to store Roof run off	250 CUM						
b.	No's of Ground water recharge pits	30 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	100 Kg/day The domestic wastes will be composted and product will be used as manure.						
II.	Operational Phase							
a.	Quantity of Biodegradable waste generation and mode of Disposal as per norms	300 kgs/day						
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	200 kgs/day						
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Waste oil of about 400Litres/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	5319 KW						
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	8 x 2250 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	Electrical savings plan is proposed in the project.						

		solar energy as per ECBC 2007	
20	PARKING		
	a.	Parking Requirement as per norms	479 nos.
	b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report	-
	c.	Internal Road width (RoW)	-
21	Any other information specific to the project (Specify)		-

The proposal was placed before the committee for appraisal.

The Proponent and Environment Consultant attended 203<sup>rd</sup> meeting held on 27<sup>th</sup> & 28<sup>th</sup> July 2018 to provide clarification/additional information.

The committee noted that there was some discrepancies in the survey numbers and when it was brought to the notice of the proponent he has agreed to rectify these discrepancies and come for appraisal in the next meeting.

Hence, the committee after discussion/deliberation decided to defer the proposal.

The proponent was invited for the meeting to provide required information. The proponent and environment consultant attended the meeting. The committee observed that as per the village survey map wherein the KIADB has superimposed the area allotted for Boeing India Pvt Ltd., on the village survey map and according to this there are no water bodies either in the form of lake or natural nalas which attracts buffer as per NGT order.

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

- 1) The proponent has to setup his own ETP and ensure ZLD.
- 2) Quantification and handling of top soil to be worked out.
- 3) 2100 trees to be planted as per the norms.
- 4) Availability of ground water has to be quantified and submitted.
- 5) Terrace solar layout plan utilizing the entire terrace area to be worked out and submitted.
- 6) Energy conservation to be worked out as per ECBC simulation and submitted.
- 7) Carrying capacity of feeder nala to the nearby tank may be worked out and submitted.

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

With the permission of the Chairman:

204.20 Proposed Residential Apartment Project at Sy.No.13 of Panathur village & Sy.No.240/4, 240/6 & 241/2 of Bellandur Amanikhane village, Varthur Hobli, Ward No.149, Mahadevapura Zone, Bangalore by M/s. Satwi Infra, Bengaluru(SEIAA 60 CON 2018)

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	Sri H S Ravi Prakash Reddy Partner M/s. Satwi Infra No.80/1, Horamavu Main road, Opp. Sunshine School, Horamavu, Bangalore-560043
2	Name & Location of the Project	Proposed Residential Apartment project by M/s. Satwi Infra, at Sy. No. 13 of Panathur Village & Sy. No. 240/4, 240/6 & 241/2 of Bellandur Amanikhane Village, Varthur Hobli, Ward No. 149, Mahadevapura Zone, Bangalore
3	Co-ordinates of the Project Site	Longitude: 77°42'40.45"E Latitude: 12°56'19.54"N
4	Environmental Sensitivity	
a.	Distance from periphery of nearest Lake and other water bodies (Lake, Rajakaluve, Nala etc.,)	Panathur Lake - 0.787 kms SW Sluice canal which is in disuse which is now a 40 ft road constructed by BBMP is at South of the site for which 15 buffer is left inside the site as per Hon'ble NGT order.
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. Sluice canal which is in disuse which is now a 40 ft road constructed by BBMP is at South of the site for which 15 m buffer is left inside the site as per Hon'ble NGT order.
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)	8,700.12 sq.m.
7	Built Up area (Sqm)	25,540.09 sq.m
8	Building Configuration [	Construction of Residential Apartment project

	Number of Blocks / Towers / Wings etc., with Numbers of Basements and Upper Floors]	comprising of 1 Basement + Ground Floor + 4 Upper Floors + Terrace Floor with total of 165 units
9	Number of units in case of Construction Projects	Total Number of Units is 165 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 - 250sq.m. and Senior Citizen allocated area - 250sq.m. Cycling track -153sq.m. Total recreational ground area = 653sq.m. (7.5% of plot area); Gym and Indoor games on Ground floor: 653sq.m.(7.5% of plot area). Total recreational area = 1306sq.m. (15% of plot area)
13	Details of Land Use (Sqm)	
a.	Ground Coverage Area	3,960.23 sqm (45.52%)
b.	Kharab Land	Nil
c.	Total Green belt on Mother Earth for projects under 8(a) of the schedule of the EIA notification, 2006	2,871.04 sq.m (33%)
d.	Internal Roads	1,868.85 sq.m. (21.48%)
e.	Paved area	-
f.	Others Specify	-
g.	Parks and Open space in case of Residential Township/ Area Development Projects	NA
h.	Total	8,700.12 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)	27,626.45 cu.m.
c.	Quantity of Excavated earth propose to be used in the Project site (in cubic meter)	27,626.45 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 Proponents own treated water from nearby residential apartment	
b.	Quantity of water for Construction in KLD	15 KLD	
c.	Quantity of water for Domestic Purpose in KLD	4.2 KLD	
d.	Waste water generation in KLD	3.36 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	20.685
		Recycled	57.295+37.13=94.425
		Total	115.11
b.	Source of water	BWSSB	
c.	Waste water generation in KLD	109.35KLD	
d.	STP capacity	115 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	210 cu.m.	
b.	No's of Ground water recharge pits	24 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	198kg/day. Biodegradable waste will be converted in organic convertor.
b.	Quantity of Non- Biodegradable waste generation and mode of Disposal as per norms	132kg/day. Non- Biodegradable waste will be handed over to authorized recyclers
c.	Quantity of Hazardous Waste generation and mode of Disposal as per norms	Nil
d.	Quantity of E waste generation and mode of Disposal as per norms	E-waste generation will be very less

19 POWER

a.	Total Power Requirement - Operational Phase	1000 kVA
b.	Numbers of DG set and capacity in KVA for Standby Power Supply	2 X 220 kVA.
c.	Details of Fuel used for DG Set	HSD
d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	<ul style="list-style-type: none"> <li>• Energy saved by using Solar water Heater : 50,000kWH/ Year.....(a)</li> <li>• Total SPV Power Generation in a year = 0.204 L kWh / Annum.....(b)</li> <li>• Total Solar Energy utilization (Energy saving using solar heater and solar PV) in a year = (a)+(b)= 0.5+0.204 L KWH = 0.704L / Annum .....(c)</li> <li>• Total energy savings from residential building = 24.10%</li> </ul>

20 PARKING

a.	Parking Requirement as per norms		One car spacing for 1 unit Total units = 165+10% visitors Parking required is 181 cars Total car Parking required as per NBC= 181 Parking Provided is 184Ecs which is as Per NBC and MoEF Norms	
b.	Level of Service (LOS) of the connecting Roads as per the Traffic Study Report			
	Road	Towards	Existing traffic (LOS)	Projected for next three years after adding generated traffic (LOS)
	Balagere	Panathur	B	C
		Balagere	B	B



c.	Internal Road width (RoW)	5 m
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The proponent had earlier applied for EC vide file No. SEIAA 15 CON 2015 which was subsequently closed as they could not provide information on time regarding the water body and its details. In the meanwhile the proponent had obtained information from BBMP that a nala appears to be flowing in a village map is a sluice canal which is defunct as no water flows. A pipeline of 2.0 meters dia has been laid along the defunct canal by BWSSB and a 40 feet wide road has been formed by BBMP with storm water drains on either side. The proponent has informed that he has left 15 meter buffer zone considering that the defunct canal is tertiary nala as per NGT order and has requested to allow 15 meter buffer zone in accordance with NGT order.

The proponent has already stated construction work as per the BBMP sanctioned plan leaving 15 meters buffer zone and has also stated baseline data for first week of January 2018. The proponent has stated that as the construction work had already started which tantamount to violation case as per MoEF & CC Notification dated: 8-3-2018 which needs to be appraised by SEAC.

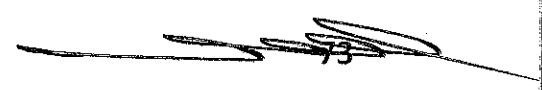
The proponent and Environmental Consultant attended the 196<sup>th</sup> SEAC meeting held on 16<sup>th</sup> & 17<sup>th</sup> April 2018 to provide required information/clarifications.

The committee perused the proposal and also the Notification dated: 8th March 2018 issued by MoEF & CC regarding dealing with the violation cases and opined that it needs more clarification and decided to seek advice from the Authority. Hence the committee decided to defer the subject.

The Proponent and Environment Consultant was invited for the meeting to provide required information/ clarification.

The committee noted that the proposal was appraised earlier during March 2016 and it was sent to SEIAA for issuance of EC. In the SEIAA meeting held on 19-7-2016, it was decided to clear the file subject to submission of the information regarding the details of lake, raja kaluve and buffer left in accordance to NGT order. Since the proponent has failed to submit the required details the SEIAA decided to close the file on 2-3-2017. In the meanwhile the proponent has gone ahead of the construction activities without prior EC. On 26-6-2017, the proponent has applied for MoEF as a violation case for appraisal. On 15-7-2017 the MoEF has acknowledged the receipt of the proposal. After this the proponent has stated that he has started collecting baseline details from 5-1-2018 for EIA preparation as per the amended EIA Notification dated: August 2015. In the meanwhile MoEF has taken a decision to revert back all the violation proposal to SEIAA for appraisal at their level.

As regard the clarification about the lake, raja kaluve requiring buffer zone as per NGT order, the proponent has stated that the canal (kaluve) reflected



in the village survey map is an irrigation canal and not the natural nala. In support of this the proponent has produced revenue secondary classification of the land in which the project proposed in the said land is being used for cultivating irrigated crops/ horticulture crops. He has also produced toposheet prepared during the year 1978 wherein it is mentioned that this canal is a disused canal which feed water to the field from Bellandur tank. He has also produced BDA sensitive zone clearance wherein no mention has been made about this irrigation canal but they have only mentioned about the raja kaluve leading from Bellandurlake to Varthur lake which is at 110 meters from this project site.

The Committee after discussion decided to appraise the proposal as per the Notification Dated:8-3-2018, issued by MoEF& CC and decided to recommend the proposal to SEIAA for issue of standard ToR for conducting EIA study in accordance with EIA Notification 2006 along with relevant guidelines. The committee also decided to prescribe the following additional ToRs:

- 1) The details furnished on the status of the site submitted earlier for appraisal may be submitted.
- 2) The quantification of the excavated earth and its disposal including the environmental impacts due to this activities may be assessed and submitted.
- 3) The replies for the clarification sought by the Authority(SEIAA) vide letter dated: 2-3-2018
- 4) The contamination of soil & water due to septic tank provided for labourers may be assessed and furnished.
- 5) Detailed green belt development programme including annual budget, types of species planted in the area.
- 6) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NAB, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- 7) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- 8) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

Accordingly ToRs were issued on 15-6-2018.

The proponent has submitted the EIA report vide dated:9-7-2018 and the same is placed before the committee for EIA appraisal.

The proponent and Environment consultant attended the 203<sup>rd</sup> meeting held on 28<sup>th</sup> July 2018 to present the EIA report and to provide required clarification and additional information.

The Committee appraised the proposal considering the statutory application, Form-1, IA, conceptual plan, EIA report and additional information provided during the meeting. The proponent has stated that he has applied for EC during the year 29-1-2016. The SEAC has appraised the proposal and recommended for issuance of EC subject to submission of the requisition letter submitted for supply of water from BSWWB and also after submission of Hydrology study. Also SEIAA has observed the presence of nala and decided to issue EC subject to submission of information regarding the details of lakes or rajkaluve at the vicinity of the project site and buffer left in accordance with NGT order. But the proponent failed to respond for this query within the reasonable period and hence SEIAA decided to close the file vide letter dated:2-3-2017. Subsequently the proponent has applied under violation category to MoEF& CC, GOI dated: 26-6-2017 and due to change of rules to appraise violation category projects the proponent has made out an application to SEIAA, Karnataka.

The committee after discussion opined that the proponent has not done the proper assessment of the ecological damage and has not come up with proper remedial plan as per additional ToRs No.6,7& 8 due to which it is not possible to quantify the ecological damage and the amount required to take remedial measures. Hence the committee decided to reconsider the proposal and suggested the proponent to come up with the proper assessment and remediation plan as per ToR No.6,7& 8 along with the following informations:

- 1) The proponent to submit scheme to take up compensatory afforestation outside the project a) Avenue plantation b) community plantation with species wise number with broad leaved native species to offset the carbon foot print during construction phase.
- 2) The assessment of damage from the septic tank with reference to the corelogging of the samples drawn at least to depth of 10 feet all round the septic tank may be conducted and submitted.
- 3) Comparative study of the baseline data while applying for EC in the year 2016 and the present studies may be conducted and submitted.

The proponent has submitted the reply vide letter dated:10-8-2018 and the same was placed before the committee for perusal. The committee perused the replies submitted and made the following observations:

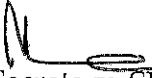
- 1) As per the comparative statement of the satellite imageries(Google)of the land the existing 21 trees.were cut and the proponent has now proposed to plant 63 compensatory trees.
- 2) As per the comparative statement of the air quality existing before taking up the project and the present air quality, there is a increase of 2.04 microgram/cum in case of PM<sub>10</sub>, 11.91 micrograms/cum in case of PM<sub>2.5</sub>, 0.47 microgram/cum of So<sub>2</sub> and 0.98 microgram/cum of No<sub>2</sub> and the proponent has stated all these parameters are within the norms fixed as per CPCB.
- 3) As per the comparative statement of ground water quality existed before taking up the project and present water quality there is an increase of turbidity of 0.5 NTU, conductivity of 361 microsimens/cm, TDS of 174 mg/l, total alkalinity 191.8 mg/l, total hardness 199.8 mg/l, calcium 68.95 mg/l, magnesium 7 mg/l, fluoride 0.41 mg/l and decrease in PH value of 0.45 chloride 37.52 mg/l, sulphate 27.48 mg/l, nitrates 1.42 mg/l and the proponent has stated all these parameters are within the permissible limits as per CPCB.
- 4) As per the comparative statement of noise levels existed before taking up the project and present noise levels there is an increase of Leq 0.6 dB(a) and the proponent has stated that the parameters are within the permissible limits as per CPCB.
- 5) As per the comparative statement of soil quality existed before taking up the project and present soil quality there is an increase in conductivity of 65 microsimens/cm, there is an decrease of PH value of 1.04, organic matter 0.38%, nitrogen as N 30 kg/hectare, phosphorus as P<sub>2</sub>O<sub>5</sub>- 4.1 kg/ha, potassium 7.9 kg/ha and the proponent has stated that these values are, within the prescribed limits.
- 6) As per comparative statement of the soil analysis done in other areas and corelog of 12 feet depth, analysis done all round the septic tank, there is an average increase of 0.5% of organic matter, an increase of 50 kg/ha of nitrogen, 34 kg/ha of phosphorous and 12.6 kg/ha of potassium.
- 7) The proponent has submitted the remediation plan for taking up the plantation for Rs.1,78,563/- and to replace the septic tank with mobile STP for Rs.1,00,000/-.


The committee after discussion in the above matter and in the absence of specific guidelines for estimating the environmental damages, opined that double the above amount may be taken as guarantee money as per the Notification of MoEF& CC dated:8-3-2018 and decided to recommend the proposal to SEIAA for issue of Environment clearance with the following conditions:.

1. The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.
2. 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.