

Proceedings of 163rd Meeting of SEAC held on 15th and 16th April 2016

15th April 2016

Members present in the meeting:

Shri. N. Naganna	-	Chairman
Prof. D.L. Manjunath	-	Member
Dr. S. Manjappa	-	Member
Dr. B.S. Jayaprakash		Member
Dr. M.I Hussain	-	Member
Dr. H.B. Aravind	-	Member
Shri. B. Chikkappaiah	-	Member
Dr. N. Krishnamurthy	-	Member
Dr. S. Prashanth	-	Member
Dr. K.C. Jayaramu	-	Member
Dr. K.B. Umesh	-	Member
Sri. Vijaya Kumar	-	Secretary, SEAC

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

Confirmation of the proceedings of 162nd SEAC meeting held on 6th April 2016.

The State Expert Appraisal Committee, Karnataka perused the proceedings of 162nd SEAC meeting held on 6th April 2016 SEAC and confirmed the same.

EIA Presentation:

163.1 Proposed new LPG bottling Plant of 21000 MTPA at Plot No. 184/185, KIADB Industrial Area, Jakkasandra village, Malur Taluk, Kolar District of Sri Arvinder Singh Oberai, Director, M/s SHV Energy Pvt Ltd, Super gas House, SDE Serene Chambers, 8-2-334, Road no:7, Banjari hills, Hyderabad- 500034. (SEIAA 21 IND 2015)

M/s. SHV Energy Pvt. Ltd., have applied for Environmental Clearance for Proposed LPG Bottling plant of 21000 MTPA capacity at KIADB Industrial Area within Plot No. 184, 185 at Jakkasandra Village, Malur Taluk, Kolar District, under Schedule 6(b) of EIA notification, 2006 under Category-B. The total plot area is 23506.84 Sq. m and the total built up area 3,450.68 Sqm. The total project cost is Rs. 22.00 Crores.

Project details:

The proposed unit is LPG bottling plant of 21000 MTPA. LPG will be coming to the unit by road in trucks. This will be stored in bullets and then filled in various cylinders within the plant and sold to the customers. The proposal is only storage and bottling of LPG.

The plot of land acquired from the KIADB lies in a notified industrial area, 40 Km away from Bangalore city towards East in Jakkasandra village. The site is located near app. 6 Km away from NH-4 Bengaluru to Chennai Golden Quadrilateral road. Densely populated area is Bhavanahalli @ a distance of 0.83 Km from site towards South.

List of products proposed.

Sl.No	Proposed products	Quantity (Nos./month)
1	12 Kg	700
2	17 Kg	24000
3	33 Kg	12000
4	Bulk supply	200 MT/M through tankers

Project Details Water: The total land area: 23,506.84 Sqm, The total water requirement is 10.00 KLD (KIADB); Power Consumption: 322 KVA, Two DG sets of 1 X 250 KVA. & 1 X 160 KVA Hazardous waste: No Hazardous waste is generated.

Land use pattern

Sl.No	Component	Area in Sq.m	Area in %
1	Built up area	3450.68	14.67
2	Vacant	7405.00	31.50
3	Green Belt	7804.27	33.20
4	Road & Pavements	4846.89	20.63
	TOTAL	23506.84	100

The Proponent and Environment Consultant attended the 145th meeting of SEAC held on 17th and 18th August 2015 to provide clarification/additional information.

The committee exempted the public consultation while preparing the EIA report as the proposed activity is located within KIADB Industrial Area.

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

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

1. Solvents and other painting materials used in the system, impact on the storage by this activity
2. Inlet and outlet water quality of ETP, reason for providing solar pond has to be explained
3. Explore the possibility to use CNG in place of DG sets
4. Cumulative impact on the surroundings in case of fire in worst case scenario and disaster management plan

Accordingly the ToR issued on 10.09.2015.

The proponent have submitted the EIA report vide letter dated 02.03.2016.

The Proponent and EIA coordinator from Hubert Enviro Care Systems Pvt. Ltd have attended the meeting of SEAC to present the EIA report.

The committee appraised the proposal considering the information provided in the statutory application-Form I, pre-feasibility report, EIA report and clarification/additional information provided during the meeting. The committee observed the following points:

1. List of species to be planted in the green belt not given
2. In ambient air quality study, windrows diagram not given.

The proponent has submitted the reply to the above queries on the same day of the meeting which were accepted by the committee.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with a condition that there shall be safe facility for tanker truck parking within the premises or in the PESSO approved area.

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

Fresh Proposals:

163.2 Establishment of Herbal Extract and Active Pharmaceutical Ingredients (APIs) & Intermediates manufacturing industry with R&D activity at Shed No: B4 & B5, KSSIDC Industrial Estate, Veerasandra II Stage, Hosur Road, Anekal Taluk, Bangalore -560 100 of SOMU CHEMICALS AND PHARMACEUTICALS PRIVATE LTD (SEIAA 3 IND 2016)

Name of Applicant: - M/s. Somu Chemicals and Pharmaceuticals (P) Ltd.

Name of the Consultancy Firm: -

Name of the Project: Establishment of Herbal extract and Active Pharmaceutical Ingredients (APIS) & Intermediates manufacturing industry with R&D activity.

Name of the Company: M/s. Somu Chemicals and Pharmaceuticals (P) Ltd.,

Name of the Applicant: Mr. Venkatesan.V, Technical Director

M/s. Somu Chemicals and Pharmaceuticals (P) Ltd., have applied for Environmental Clearance from SEIAA for their Proposed Establishment of Herbal extract and Active Pharmaceutical Ingredients (APIS) & Intermediates manufacturing industry with R&D activity Project at shed Nos. B4 & B5 of KSSIDC Industrial Estate, Anekal Taluk, Bangalore Urban District. The project site is located at KSSIDC Industrial estate

This is a project falling under the category 5(f)(Synthetic organic chemicals industry (dyes & dye intermediates; bulk)) of the Schedule of EIA Notification 2006.

1. The total Plot area is 10000 Sq.ft.
2. The built up area is 8000 Sq.ft.

1. The proposed activity is to manufacture Active Pharmaceutical Ingredients (APIs).
2. **Project Cost:** Rs.342 Lakhs
3. **Energy Requirement:** The proposed power requirement for the project is 65 KVA. The required power will be drawn from BESCO
4. **Land form, Land use & Land Ownership:** The proposed land comes under KSSIDC Industrial area, Anekal.
5. **Hazardous waste details:**

The hazardous wastes generated during the process of manufacture of different APIs are stored at hazardous waste storage area and sent to cement industries for co-incineration (as an auxiliary fuel) during the manufacture of cement. The quantities of hazardous waste generated from various processes are shown in the table below.

Sl. No.	Particulars	Particulars Quantity of hazardous waste generated kg/annum	Disposal Options	Category
1	Waste oil generation from DG set	240 L	Disposed through authorized recyclers	5.1
2	Residue from solvent recovery plant	4500	Disposed through Cement industries for co incinerations	28.1
3	HDPE Containers	6,00 nos	Disposed through authorized recyclers	33.3
4	Inorganic salt	3,000	Disposed to TSDF for scientific landfill.	34.3
5	Spent carbon	1,939	Disposed through Cement industries for co incinerations	28.2

6. Table shows of the list of Hazardous Raw materials.

Hazardous raw material	Sl. No. as per Manufacture, Storage and Import of Hazardous Chemical (Amendment) Rules, 19th January 2000, Schedule I, Part II
Toulene	628
Hexane	306
Acetone	4
Piperdine	514
Benzyl chloride	67
Dimethylamine	215
Formaldehyde	295
Hydrochloric acid	313
Mesitylene	362
Sulphuric Acid	591
Ethyl Acetate	247
Isopropyl alcohol	334
Napthalene	417
Acetonitrile	7
Iodine	323

Industrial effluent: Industrial effluent is proposed to be sent to common Effluent treatment plant (CETP) for treatment and disposal.

7. Proposed products to be manufactured:

Sl. No	APIs, intermediates	Production capacity	
		(kg/month)	(kg/annum)
A Herbal Extract			
1	Coleus Forskholii Extract	500	6000
2	Curcumin	250	3000
3	Tetrahydrocurcuminoids	250	3000
4	Piperine	83	1000
5	Tetrahydropiperine	83	1000
	Total	1,166	14,000---A
B Cosmetics ingredients, nutraceutical ingredients, pharma intermediates and APIs			
1	Benzalkonium chloride	334	4000
2	4-n Hexylresorcinol	250	3000
3	4-n Butylresorcinol	167	2000
4	2-Methylresorcinol	83	1000
5	1,4-Cyclohexanedione	500	6000
6	Tamsulosin HCl and its Intermediates	83	1000
7	1-Chloromethyl Naphthalene	833	10000
8	Piroctone Olamine	1000	12000
9	2 Ethylhexyl Trizone	500	6000
10	Benzethonium Chloride	167	2000
11	Iscotizinol	167	2000
12	Tinosorb S	83	1000
13	Tinosorb M	83	1000
	TOTAL	4,250	51,000---B
Grand Total (A+B) = 65 MT			

8. Raw Materials: The required raw materials and quantities are shown in table 1.00 of Project report in page.no. 7. The total no. of raw materials procured is about 13.

9. Solid waste details:

The total quantity of domestic solid waste generated is 10 Kg/annum.

The hazardous solid waste generated is as below.

Hazardous solid waste

Sl.No	Hazardous waste	Quantitykg/annum
1	Residue from the manufacturing process – (solvent recovery)	4500
2	Spent Carbon	1939 kg
3	HDPE containers	600 nos
4	Waste oil generation from DG set	240L
5	Inorganic salts	3000

10. Water Requirement: The total water required for the proposed project 12 KLD
The source of water supply is from bore wells & private tankers.

11. Waste Water Generation Management: The domestic waste water generated will be treated through septic tank followed by soak pit.

Connectivity:

Sl.No. Road	Distance from the project site (km)	Direction w.r.t.project site
1 NH 7 (Bangalore hydrabad highway)	2	West
2 Banerghatta national park	16	South west
3 Raysandra lake	3	North west
4 Chikka tagur lake	3	East
5 Veersandra lake	2	South west
6 Hebbagodi lake	2.5	South
7 Kamasandra Lake	2.5	South East
8 Heelalige railway station	4.5	South east
9 Kempegowda International Airport	39	South

All distances mentioned are aerial.

12. Other Details: The proponent has submitted Form-1, along with Pre-feasibility Report.

13. Environmental Sensitivity:

a) Bannerghatta National Park	16.00 Km (aerial) SW.
b) Raysandra lake	3.00 Km NW
c) Chikka tagur lake	3.00 Km E
d) Veerasandra lake	2.00 Km SW
e) Hebbagodi lake	2.5 Km S
e) Kamasandra lake	2.5 Km SE
f) Heelalige railway station	4.5 Km SE

Enclosures: Land Documents, Siteplan

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, pre-feasibility report, and proposed ToRs and clarification/additional information provided during the meeting. The proponent informed the committee that they are not producing coneus Forsicholi extract, curcumin and piperine in herbal extract and Tinosorb S and Tinosorb M in cosmetics. The committee after discussion decided to recommend the proposal to SEIAA to issue standard ToRs along with the following additional ToRs for conducting the EIA studies in accordance with the EIA Notification 2006 and relevant guidelines. The proponent informed the committee that they have started collecting the baseline data from February 2016 and requested to use the same in EIA report. The committee accepted the same.

1. Revised product list
2. Replace the hazardous solvents by alternative solvents
3. Green chemistry adopted in the process to be explained
4. Mass balance, material balance and energy balance to be given
5. Precautions taken in hydrogenation process and details to be given
6. Schematic diagram and safety precautions details of greenbelt to be given

7. List of neighbouring industry and impact on the same due to this activity
8. For claiming exemption from Public Hearing the copy of the Gazette Notification of formation of KSSIDC Industrial estate to be submitted.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of ToRs.

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

163.3 Chadchan Lift Irrigation Scheme near Chadchan village, Indi taluk, Bijapur district of KRISHNA BHAGYA JALA NIGAM LIMITED, 3rd floor PWD annex building Kr Circle, Nrupatunga Road, Bangalore -560001(SEIAA 4 IND 2016)

KRISHNA BHAGYA JALA NIGAM LIMITED, have applied for Environmental Clearance from SEIAA for their new proposed Chadchan Lift Irrigation Scheme near Chadchan village, Indi taluk, Bijapur district. This is a project falling under the category 1(c) (River valley projects) of the Schedule of EIA Notification 2006, Under Category – B.

1. The total Atchkat area is 9215 ha. The total water requirement is 1.74 TMC of water from Bhima River.

2. SiteLocation: The proposed project located near Chadchan Village of Indi Tq. & Bijapur District.

3. Proposed Activity: The proposed activity is to provide flow irrigation to 9215 ha in 8 villages of Indi Taluk, during Kharif & Rabi season.

4. Raw Materials: The raw materials used for the proposed project are RMC/Cement, stones and aggregates.

5. Other Details: The proponent have submitted Form-1, along with Pre-feasibility Report.

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

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

1. Crop details and water demand for each crops
2. Agro forestry shall be developed in consultation with social forestry and District Water Shed Area Development
3. Detailed analysis regarding the quality of water
4. Details of B/C ratio

5. Studies on changes in river hydrology due to proposed project
6. Low flow analysis in the river
7. Detailed river water quality studies near wastewater discharge locations (domestic and industrial) in the upstream and downstream of proposed project during low flow conditions.
8. Pollutant (pesticides, nutrients etc.) transport studies in the downstream side for reduced flow conditions to study the impact on downstream river water users.
9. Impact on groundwater by conducting detailed Hydro-geological studies.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of ToRs.

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

163.4 EXPANSION OF EXISTING CO-GEN SUGAR INDUSTRY (4800 TCD to 7500 TCD SUGAR PLANT & 24 MW TO 54 MW CO-GEN POWER PLANT) at Survey Nos. 38/2, 40/(1 to 6), 50/2, 51/(1 to 5), 44, 52/1 & 2, 71/P, Kukkuwada village, Davangere Taluk & district, Karnataka state of M/s. Davangere Sugars Company Ltd.,(SEIAA 12 IND 2016)

M/s. Davangere Sugars Company Ltd, have applied for Environmental clearance from SEIAA for EXPANSION OF EXISTING CO-GEN SUGAR INDUSTRY (4800 TCD to 7500 TCD SUGAR PLANT & 24 MW TO 54 MW CO-GEN POWER PLANT) at Survey Nos. 38/2, 40/(1 to 6), 50/2, 51/(1 to 5), 44, 52/1 & 2, 71/P, Kukkuwada village, Davangere Taluk & district, Karnataka state under category B. The proposed project comes under 5(j), sugar industry, of EIA notification, 2006.

EC has already been issued by Environment & Ecology dept., Govt. Of Karnataka, Vide No. AaPaJee 209 ECO2001 Dated:5/7/2002.

1. The total cost of the project is 22655 lakhs.
2. Fresh water requirement ; 2077 KLD (Existing 1567 KLD, total 3664 KLD). The source of water is from nearby Shyagale Halla which is tributary of Tungabhadra river & it is having perennial source of water from Bhadra Reservoir project at the upstream. There is an agreement between KID & Industry to draw water to the extent of 1.55 cusecs from the halla.
3. Capacity of boiler is existing-90TPH & proposed is 160 TPH
4. No additional land is required for expansion.
5. Generation of Waste water: about 24 cum/day proposed to treated along with the sugar mill effluent in the ETP. Domestic effluent of 67 cum/day will be stabilized in septic tank & treated effluents from ETP is used for greenery development & agricultural activity. Other effluents of about 405 cum/day from cooling water is used fro ash quenching.
6. Compliance to earlier issued EC is not submitted.

The project proponent has submitted form – 1 along with prefeasibility report.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, pre-feasibility report, and proposed ToRs and clarification/additional information provided during the meeting. The committee after discussion decided to recommend the proposal to SEIAA to issue standard ToRs along with the following additional ToRs for conducting the EIA studies in accordance with the EIA Notificatio 2006 and relavent guidelines. The proponent informed the committee that they have started collecting the baseline data from February 2016 and requested to use the same in EIA report. The committee accepted the same.

1. Proposal of the industry to Improve in steam economy for the process along with the present process may be explained
2. Proposal of the industry to avoid sugarcane transportation through busy roads of Davanagere town while bringing the cane from northern part of the farmers field to the industry
3. Proposal of the industry to facilitate the smooth movement of vehicles in changiri to Davanagere road near Kukkawada (industry) during crushing season
4. Comparative evaluation of baseline environmental parameters present status with earlier EIA studies conducted by the industry
5. Proposal of the industry for the safe disposal of by-products from the process such as mollasis baggasse pressmud, ash etc., with quantification
6. Scheme of the industry to dispose the treated waste water from the industry.
7. Proposal to avoid any spillages of mollasis to any water body near the industry.
8. Proposal of the industry to for the flue gas emissions and prediction of particulate matter with and without control systems
9. Availability of water for expanded capacity measures taken to reuse reduce and recycle of treated waste water in the industry.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of ToRs.

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

163.5 Expansion & Modification of Residential Apartment Project at Sy.Nos.152 & 153 Of Mahadevapura Village, K.R.Puram-Marathahalli, ORR, Bangalore – 560048 of M/s. Nester Projects, Sy.Nos.152 & 153 Of Mahadevapura Village, K.R.Puram-Marathahalli, ORR, Bangalore - 560048. (SEIAA 21 CON 2016)

Name of Applicant: - M/s. Nester Projects,

M/s. Nester Projects,has applied for Environmental clearance from SEIAA for their Expansion and Modification of Residential Apartment Project at Sy.Nos.152 &

153 Of Mahadevapura Village, K.R.Puram-Marathahalli, ORR, Bangalore – 560048 under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost = Rs. 50 Cr.

It is a proposal of Expansion and Modification of Residential Apartment Project for which the EC has been issued by MoEF, New Delhi vide letter No. 21-533/2006-IA-III dated 07.05.2007 for their construction of residential apartment complex on a plot area of 20,533.30 Sqm. Net area left after road widening is 18,940.56 Sqm. Total Built up area is 52,058.13 Sqm having 300 apartment, club house and swimming pool with B+G+11UF. (Expansion for increase in residential apartment flats from 300 Nos to 328 Nos)

Land details: - Total Plot area is 20,818.47 Sqm and area left for road relinquishment and HT line is 2,832.14 Sqm. Net site area is 17,986.14 Sqm.

1. The proposed residential buildings consists of 323 units in 2 blocks, Block-1 having 195 units with a configuration of Wing A and B is 2B+G+11UF and Wing C is 2B+G+6UF and Block-2 having 128 units with a configuration of Wing D is B+G+6UF with total built up area of 57,817.37 Sqm. Ht of the building is 37.35 m, Right of way is 18 m.

2. Land use details:

Total plot area	- 17,986.33 Sqm
Super built up area	-57,817.37 Sqm
Green belt area	-5935.4 Sqm (33%)
Paved area (drive way)	-6485.4 Sqm (36.1%)
Ground coverage	-5565.53 Sqm (30.9%)
FAR permissible is 2.5 and achieved is 2.49.	

3. **Water Requirement:** Total water requirement is 225 KLD.(150 fresh water + 75 KLD Recycled water) The source of water is BWSSB. NOC from BWSSB not submitted.

4. **Wastewater Management:** - The total quantity of waste water generated is 210 KLD (considering 90% waste water generation) and treated in STP design capacity of 210 KLD with SBR technology.

5. **Excavated Earth Management:** - Since it is an expansion project and all excavated earth already used in their property.

6. **Solid Waste Management:** Total waste generated in the project is 738 Kgs/day; where 442 kgs/day is the organic waste which will be collected and treated in organic convertor and 296 kgs/day is inorganic waste, will be disposed to Vendors/ Recyclers. Sludge generated is 10 KG/day which will be used as manure for gardening.

7. **Energy Requirement:** Total power requirement of 500 KVA is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 2 x 220 KVA.

8. **Traffic Details:** Not submitted. Parking required is 374 and provided is 383

9. **Environment sensitivity:** EMP submitted.

10. **Other details:** Rain water harvesting is proposed.
11. Eco sensitive details: Nakkundi lake is the nearest lake as per the google map submitted by the proponent.

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

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

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

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

163.6 Modernization of Residential Apartment Project at Khatha No.56/89/41, Sy.Nos.89/4P, 90/1, 90/2P of BBMP limits, Ward No.6 of Rachenahalli Village, Bangalore East Taluk, Bengaluru Rural District of M/s. ARVIND HEBBAL HOMES PVT. LTD., Palace View, 2nd Floor, V.S.Raju Road, Kumara Park West, Bangalore - 560020. (SEIAA 22 CON 2016)

Name of Applicant: - M/s. ARVIND HEBBAL HOMES PVT. LTD.,

M/s. ARVIND HEBBAL HOMES PVT. LTD., has applied for Environmental clearance from SEIAA for their modernization of Residential Apartment Project at Khatha No.56/89/41, Sy.Nos.89/4P, 90/1, 90/2P of BBMP limits, Ward No.6 of Rachenahalli Village, Bangalore East Taluk, Bengaluru Rural District under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost = Rs. 62.99 Cr.

It is a modernization of of residential apartment project for which EC has been obtained by SEIAA vide letter No. SEIAA 07 CON 2012 dated 21.05.2012 for construction of residential apartment on a plot area of 19,930.60 Sqm and a built up area of 71,247.84 Sqm having 336 residential units in 6 blocks with B+G+14 UF in the name of M/s. Sangani Infra Build Pvt. Ltd. (Modification project in plot size 19,930.60 Sqm in 7 Blocks and No of units is 456).

Land details: - Total Plot area is 20,031.66 Sqm including kharab land on 101.17 Sqm,

1. The proposed residential buildings consists 456 units with a configuration of B+GF+14UF in 7 blocks. Ht of the building is 44.95 m.

2. Land use details:

Net plot area	- 19,930.60 Sqm
Super built up area	-54,949.84 Sqm
Green belt area	-6577 Sqm (33%)
Ground coverage	-3,177.516 Sqm (19.96%)
FAR permissible is 2.25.	

3. **Water Requirement:** Total water requirement is 308 KLD. The source of water is BWSSB. NOC from BWSSB submitted.
4. **Wastewater Management:** - The total quantity of waste water generated is 246.4 KLD (considering 90% waste water generation) and treated in STP design capacity of 250 KLD with SBR technology.
5. **Excavated Earth Management:** - Since it is an expansion project and all excavated earth already used in their property.
6. **Solid Waste Management:** Total waste generated in the project is 1026 Kgs/day; where 616 kgs/day is the organic waste which will be collected and treated in organic convertor and 410 kgs/day is inorganic waste, will be disposed to Vendors/ Recyclers. Sludge generated is 41.04 KG/day will be used as manure for landscape. E-waste generated is 57.0 Kg/day.
7. **Energy Requirement:** Total power requirement of 1950 KVA is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 4x500 KVA. Total energy savings from the project site is 26.43%.
8. **Traffic Details:** Not submitted. Parking required is 502 and provided is 507
9. **Environment sensitivity:** Rachenalli Lake is 500 m from the project site.
10. **Other details:** Rain water harvesting is proposed.

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

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

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

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

163.7 Residential Apartment Project at Khatha No.948, Sy.Nos.137/1, 137/2, Municipal No.254, Gunjur Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru Urban District of M/s. Hi Life Ventures Pvt. Ltd., No.6/3 of Balagere Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru Urban District - 560087. (SEIAA 23 CON 2016)

Name of Applicant: - M/s. Hi Life Ventures Pvt. Ltd.,

M/s. Hi Life Ventures Pvt. Ltd., has applied for Environmental clearance from SEIAA for their Residential Apartment Project at Khatha No.948, Sy.Nos.137/1, 137/2, Municipal No.254, Gunjur Village, Varthur Hobli, Bengaluru East Taluk, Bengaluru Urban District under 8(a) of schedule EIA Notification – 2006 under category B. Project cost is 46.5 Crores.

Land details: - Total Plot area is 7,025.72 Sqm

1. The proposed residential buildings consists of 140 units and the configuration of the building is B+GF+3UF in a total built up area of 20,783.73 Sqm. Ht of the building is 14.99 m.
2. **Land use details:**

Total plot area	- 7,025.72 Sqm
Built up area	-20,783.73 Sqm
Green belt area	-2800.27 Sqm (39.85%)
Paved area (drive way)	-718.18 Sqm (10.23%)
Ground coverage	-3507.27 Sqm (49.92%)

FAR permissible is 2.25 and achieved is 2.01.
3. **Water Requirement:** Total water requirement is 95 KLD.(63 fresh water + 32 KLD Recycled water) The source of water is BWSSB. NOC from BWSSB not submitted.
4. **Wastewater Management:** - The total quantity of waste water generated is 76 KLD and treated in STP design capacity of 85 KLD with SBR technology.
5. **Excavated Earth Management:** - The total Earth work generated = 10,521 Cum. 3,682 Cum is for back filling; 2,568 Cum is for landscaping; 2709 Cum for road formation and 1562 cum for site formation.
6. **Solid Waste Management:** The organic waste which will be collected and treated in organic convertor and inorganic waste will be disposed to Vendors/ Recyclers.
7. **Energy Requirement:** Total power requirement of 820 KW is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 1x500 KVA.
8. **Traffic Details:** Traffic details submitted. . Parking provided is 164
9. **Environment sensitivity:** EMP submitted.
10. **Other details:** 5 No of recharge pits with a capacity of 105 Cum proposed for rain water harvesting.
11. Eco sensitive details:

Gunjur Lake	- 1.7 Km
Varthur Lake	- 2.2 Km
Thubarahalli Lake	- 3.1 Km

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. The proponent has submitted the BWSSB NOC during the meeting and revised hydrology study report.

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

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

163.8 Residential Apartment Project at Sy.No.109/4(P), Avalahalli Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru Urban District of M/s. Biodiversity Conservation (India) Pvt. Ltd., No.31/1, 1st Floor, 2nd Main Road, Vyalikaval, Bengaluru – 560 003 (SEIAA 24 CON 2016)

Name of Applicant: - M/s. Biodiversity Conservation (India) Pvt. Ltd.,

M/s. Biodiversity Conservation (India) Pvt. Ltd., have applied for Environmental clearance from SEIAA for their proposed development of Residential Apartment Project at Sy.No.109/4(P), Avalahalli Village, Yelahanka Hobli, Bengaluru North Taluk, Bengaluru Urban District under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost is 28 Crores.

Land details: - Total Plot area is 12,543.37 Sq.mts

1. The proposed project consisting of B+G+3UF with 131 no of units in Block-A & Block-B with a total Built up area is 28,441.0 Sqm. Ht. of Building is 13.20 M.

2. Land use details:

Total plot area	- 12,543.37 Sqm
Built up area	-28,441.0 Sqm
Green belt area	-4491.19 Sqm (36.87%)
Paved area (drive way)	-2418.40 Sqm (19.85%)
Ground coverage	-5272.36 Sqm (43.28%)

FAR permissible is 1.75 and achieved is 1.60.

3. **Water Requirement:** Total water requirement is 90 KLD.(37 fresh water + 53 KLD Recycled water) The source of water is Singanayakanahalli Gram panchayath.
4. **Wastewater Management:** - The total quantity of waste water generated is 85.5 KLD and treated in STP design capacity of 90 KLD with SBR technology.
5. **Excavated Earth Management:** - The total Earth work generated = 15817 which will be used for back filling, landscaping and road formation within the project site.
6. **Solid Waste Management:** Total waste generated in the project is 328 Kgs/day; where 197 kgs/day is the organic waste which will be collected and treated in organic convertor and 131 kgs/day is inorganic waste, will be disposed to Vendors/ Recyclers.
7. **Energy Requirement:** Total power requirement of 850 KW is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 2x250 KVA. Energy savings from the project site is 33.31%
8. **Traffic Details:** Traffic details submitted. . Parking provided is 140
9. **Environment sensitivity:** EMP submitted.
10. **Other details:** 15 No of recharge pits proposed for rain water harvesting.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. The proponent stated that green belt is 36.87% is including podium. Committee advised the proponent to increase the green belt by avenue plantation.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to submission of revised rain water calculation taking into consideration of maximum intensity of rain fall.

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

163.9 Expansion of "BRENTWOOD" Residential Apartment Project at Sy.Nos.65/1, 65/2 and 65/3 of Thubarahalli Varthur Hobli, Bangalore East Taluk, Bangalore Urban District of M/s. Vaswani Estates Developers Pvt. Ltd., Vaswani Victoria, 30, Victoria Road, Bangalore-560047. (SEIAA 26 CON 2016)

Name of Applicant: - M/s. Vaswani Estates Developers Pvt. Ltd.,

M/s. Vaswani Estates Developers Pvt. Ltd., have applied for Environmental clearance from SEIAA for their Expansion of "BRENTWOOD" Residential Apartment Project at Sy.Nos.65/1, 65/2 and 65/3 of Thubarahalli Varthur Hobli, Bangalore East Taluk, Bangalore Urban District under 8(a) of schedule EIA Notification – 2006 under category B. Expansion Project cost is 6 Crores.

It is a proposal of expansion for which Environmental Clearance has been obtained by SEIAA vide letter No. SEIAA 200 CON 2011 dated 08.03.2012. Comparative statement of the project between earlier EC issued and proposed expansion is given below:

Sl. No.	Particulars	EC obtained	Project after Exp. and Modification	Remarks
1	Project location	"Brentwood", Survey Nos. 65/1, 65/2 and 65/3, Thubarahalli Village, Varthur Hobli, Bangalore East Taluk, Bangalore.		No changes
2	Activity	Residential Apartment with 220 flats, Club House G+1UF	Residential Apartment with 237 flats, Club house G+2UF and Worship place B+G+1UF	Addition of 17 Flats, Club house 1UF and Worship place B+G+1UF
3	Plot Area	12,848 sq. m	13,487.61 sq. m	Addition of 639.61 Sq.m
4	Total Built up area	41,992.37 sq. m	43,321.26 sq. m	Addition of 1328.39 sq. m
5	Total Number of blocks	4 towers with B+G+14UF & club house with G+1UF	4 towers with B+G+14UF, club house with G+2UF and worship place with	Addition of club house 1UF and Worship place with B+G+1UF

			B+G+1UF	
6	Building configuration	Residential Apartment: 4 towers with 1 basement, ground floor and 14 Upper floors	Residential Apartment with 4 towers, 1 Basement, Ground and 14 Floors, Club house G+2 Floors and Worship place B+G+1 UF	Addition of club house 1UF and Worship place with B+G+1UF
7	Water consumption	184 KLD	179 KLD	Reduction of 6 KLD
8	Wastewater discharge	148 KLD	162 KLD	Addition of 14 KLD
9	Sewage Treatment Plant	1 X 150 KLD	1 X 175 KLD	175 KLD STP proposed as against EC obtained.
10	DG capacity	2 X 750 kVA capacity DG sets	3 X 320 kV capacity DG sets	DG set capacity is changed
11	Total no. of Parking	276 cars	312	Addition of 36 cars

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. The committee observed that the construction work is already started and the proponent have deviated the sanctioned plan for which the proponent failed to explain. Hence the committee decided to inspect the site to know ground reality.

Action: Secretary, SEAC to put up the proposal before the committee after receipt of the site inspection report.

163.10 "Assetz Cozmo" Residential Apartment Project at Sy.No.84/2, Rachenahalli Village, K. R. Puram Hobli, Bengaluru East Taluk, Bengaluru Urban District of M/s. Assetz Investments & Holdings LLP, 2/1, Embassy Icon Annex, 2nd Floor, Infantry Road, Bengaluru - 560001. (SEIAA 27 CON 2016)

Name of Applicant: - M/s. Assetz Investments & Holdings LLP,

M/s. Assetz Investments & Holdings LLP have applied for Environmental clearance from SEIAA for their "Assetz Cozmo" Residential Apartment Project at Sy.No.84/2, Rachenahalli Village, K. R. Puram Hobli, Bengaluru East Taluk, Bengaluru Urban District under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost is 54.6 Crores.

Land details: - Total Plot area is 12,140.55 Sqm

1. The proposed project consisting of 2B + G + 13 UF with 482 No of units with total Built up area is 45,075.78 Sqm (176 Studio flats, 176 one BHK flats, 52 One BHK +study and 152 Two BHK flats). Ht. of Building is 44.95 M.

2. Land use details:

Total plot area	- 12,140.55 Sqm
Built up area	-45,075.78 Sqm

- Green belt area -4260 Sqm
 FAR permissible is 2.5
3. **Water Requirement:** Total water requirement is 168 KLD The source of water is BWSSB. NOC from BWSSB not submitted.
 4. **Wastewater Management:** - The total quantity of waste water generated is 143 KLD and treated in STP design capacity of 150 KLD with SBR technology.
 5. **Excavated Earth Management:** - The total Earth work generated = 26638 cum 4,090 cum for landscaping; 18,210 cum for backfilling and levelling; 4338 cum for construction of internal roads. No excavated earth will be disposed or sent outside.
 6. **Solid Waste Management:** Total waste generated in the project is 524.5 Kgs/day; where 291.5 kgs/day is the organic waste which will be collected and treated in organic convertor and 233 kgs/day is inorganic waste, will be disposed to Vendors/ Recyclers.
 7. **Energy Requirement:** Total power requirement of 1760 KVA is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 2x500 KVA.
 8. **Traffic Details:** Traffic details submitted. Parking required is 396 and provided is 404
 9. **Environment sensitivity:** Rachenahalli lake is at a distance of 500 m West of the project site and storm water drain connecting Nagawara lake in the downstream exists towards the south of the project site.
 10. **Other details:** 27 No of recharge pits proposed for rain water harvesting.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. The committee observed that storm water drain is passing near the project site. The proponent stated that they have left 25 m buffer from the centre of the nala.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to submission of quantification of the terrace area available for harnessing solar energy.

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

163.11 Expansion and Modification Residential Apartment and Commercial Building (Commercial Activity and Hotel) Project at Cauvery Serenity and Cauvery Senate, Khata No. 10/1-1, Tumkur Road, Raghavendra Extension, Yeshwanthpur, Bangalore – 560 022 of M/s. Shashikiran Investments, No. 67, “Lavina Courts”, 1st Floor, 102, 7th cross, 8th Main, RMV Extension, Bangalore - 560 080. (SEIAA 28 CON 2016)

Name of Applicant: - M/s. Shashikiran Investments,

M/s. Shashikiran Investments, have applied for Environmental clearance from SEIAA for their Expansion and Modification Residential Apartment and Commercial

Building (Commercial Activity and Hotel) Project at Cauvery Serenity and Cauvery Senate, Khata No. 10/1-1, Tumkur Road, Raghavendra Extension, Yeshwanthpur, Bangalore – 560 022 under 8(a) of schedule EIA Notification – 2006 under category B. Expansion Project cost is 74 Crores.

It is a proposal of expansion for which Environmental Clearance has been obtained by SEIAA vide letter No. SEIAA 123 CON 2010 dated 30.08.2011. Comparative statement of the project between earlier EC issued and proposed expansion is given below:

Earlier EC obtained	After expansion and modification
Residential Apartment of 133 flats and commercial building project with a built up area of 32,355.48 Sqm in a plot area of 7,436.64 sqm. <u>Building Configuration:</u> Apartment: B+G+8 UF Commercial block: 2B+G+6UF Project cost is 61.79 crores	Residential Apartment of 133 flats and commercial building project with a built up area of 33,879 Sqm in a plot area of 7,435.64 sqm. <u>Building Configuration:</u> Apartment: B+G+8 UF Commercial block: 2B+G+7UF Project cost is 74 crores

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

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

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

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

163.12 Residential Apartment Project at PID No.48-50-78, Municipal No.78, Sudhama Nagar Near Mission Road, Bangalore Tahsil, Bengaluru Urban District of M/s. Legacy Global Projects Pvt. Ltd., #333, Nova Miller, Thimmaiah Road, Vasanthnagar, Bangalore - 560052. (SEIAA 29 CON 2016)

Name of Applicant: - M/s. Legacy Global Projects Pvt. Ltd.,

M/s. Legacy Global Projects Pvt. Ltd., have applied for Environmental clearance from SEIAA for their Residential Apartment Project at PID No.48-50-78, Municipal No.78, Sudhama Nagar Near Mission Road, Bangalore Tahsil, Bengaluru Urban District under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost is 30 Crores.

Land details: - Total Plot area is 4416.50 Sqm, net site area after relinquishment of area for road widening is 4,340.28 sqm.

1. The proposed project is construction of residential apartment having 3B+G+21UF+TF with 60 units in a total built up area of 23,282.56 Sqm. Ht of the building is 75 m. RoW is 24.90 m.
2. **Land use details:**

Total plot area	- 4,340.28 sqm.
Built up area	-23,282.56 Sqm
Green belt area	-2449.97 Sqm (56.45%)
Ground coverage	- 691.65 Sqm (15.94%)
FAR permissible is 3.50 and achieved is 3.47	
3. **Water Requirement:** Total water requirement is 41.85 KLD The source of water is BWSSB. NOC from BWSSB not submitted
4. **Wastewater Management:** - The total quantity of waste water generated is 39.75 KLD and treated in STP design capacity of 50 KLD with SBR technology.
5. **Excavated Earth Management:** - The total Earth work generated = 3,458.25 cum which will be used for back filling, road formation and landscaping within the project site.
6. **Solid Waste Management:** Total waste generated in the project is 120 Kgs/day; where 72 kgs/day is the organic waste which will be collected and treated in organic convertor and 48 kgs/day is inorganic waste, will be disposed to Vendors/ Recyclers.
7. **Energy Requirement:** Total power requirement of 720 KVA is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 2x450 KVA.
8. **Traffic Details:** Traffic details submitted. Parking provided is 87
9. **Environment sensitivity:** Lalbagh Lake is 1.75 km (S) and Sampangee lake is 0.67 km (N)

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. The committee observed that there is a discrepancy in the earth work calculation.

The Committee after discussion decided to reconsider the proposal after submission of the revised excavated earth calculation and its utilization within the project site. The committee advised the proponent to reduce the earth work generation by providing 2 1/2.basement below the ground level and ½ basement above the ground level.

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

16th April 2016

Members present in the meeting:

Shri. N. Naganna	-	Chairman
Prof. D.L. Manjunath	-	Member
Dr. S. Manjappa	-	Member
Dr. B. Manoj Kumar	-	Member
Dr. B.S. Jayaprakash	-	Member
Dr. M.I Hussain	-	Member
Shri. B. Chikkappaiah	-	Member
Dr. N. Krishnamurthy	-	Member
Dr. S. Prashanth	-	Member
Dr. K.C. Jayaramu	-	Member
Dr. K.B. Umesh	-	Member
Sri M. Subramany	-	Member
Sri. Vijaya Kumar	-	Secretary, SEAC

EIA Presentation:

163.13 Proposed New Active Pharmaceutical Ingredients (API's) and Non API Manufacturing Unit at Sy. No's 5/7 (P), 58A/(P), 5/8B, 5/8C(P), 5/10(P), 6/1(P), 6/3(P), 7/1(P), 7/2, 7/3(P), 81C(P), 10/1, 10/2, 10/3, 10/4A(P), 10/5, 10/6, 10/7(P), 10/8, 10/9, 10/10A(P), 10/11(P), 10/12(P), 10/13(P), 11/1(P), 11/2(P), 11/3, 11/4, 11/5, 11/6, 11/9, 11/10, 12/5(P), 12/6(P), 12/11(P), 12/12(P), 13/1, 13/2(P), 13/3, 13/4, 13/5, 13/6, 14/4(P), 14/5(P), 14/6(P), 14/7(P), 14/8, 14/9, 15/2D(P), 15/2E, 17/8(P), 17/3(P), 17/22(P), 17/23(P), 17/25(P), 98/1(P), 98/2(P), 99/1(P), 99/2(P), 100(P) of Kalavar Village, Mangalore Taluk, Dakshina Kannada District of M/s Syngene International Private Limited, Biocon Park,Plot no-2&3,Bommasandra,IV Jgani Link road, Bangalore. (SEIAA 27 IND 2015)

M/s. Syngene Internation Private Limited, have applied for Environmental clearance from SEIAA for proposed New Active Pharmaceutical Ingredients (API's) and Non API Manufacturing Unit at Sy. No's 5/7 (P), 58A/(P), 5/8B, 5/8C(P), 5/10(P), 6/1(P), 6/3(P), 7/1(P), 7/2, 7/3(P), 81C(P), 10/1, 10/2, 10/3, 10/4A(P), 10/5, 10/6, 10/7(P), 10/8, 10/9, 10/10A(P), 10/11(P), 10/12(P), 10/13(P), 11/1(P), 11/2(P), 11/3, 11/4, 11/5, 11/6, 11/9, 11/10, 12/5(P), 12/6(P), 12/11(P), 12/12(P), 13/1, 13/2(P), 13/3, 13/4, 13/5, 13/6, 14/4(P), 14/5(P), 14/6(P), 14/7(P), 14/8, 14/9, 15/2D(P), 15/2E, 17/8(P), 17/3(P), 17/22(P), 17/23(P), 17/25(P), 98/1(P), 98/2(P), 99/1(P), 99/2(P), 100(P) of Kalavar Village, Mangalore Taluk, Dakshina Kannada District under category B.

The Proponent and Environment Consultant attended the 150th meeting of SEAC held on 7th, 8th and 9th October 2015 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. Since the project falls in the category B1, the committee decided to appraise the proposal under B1 category. The proponent informed the committee that, earlier, the area under SEZ is earmarked for petro chemical industry & now changed to multi product industry including pharmaceuticals.

The Committee after discussion had decided to issue following additional TOR's along with Standard TOR's.

1. Detailed product name.
2. Letter from MOEF regarding change in land use pattern.
3. Revised land use plan increasing the green belt area from 4.63% to 33%
4. Evaluate the ETP available w.r.t. the discharge.

Accordingly the ToR was issued on 28.10.2015.

The proponent has submitted the EIA report vide letter dated 01.03.2016.

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

Most of the committee members have not received the material. The committee opined that since it is an EIA project, without the material it cannot be appraise the proposal.

The committee therefore decided to defer the proposal to next meeting.

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

163.14 Brooke Bond SEZ Development Project at Khatha Old No. 119, New No.119 (Survey No. 103, 104, 105, 108, 108/2, 109, 112, 112/1 & 113/1B), Kundalahalli Village, Krishnarajapuram Hobli, Bangalore of Mr. A. M. Mohamed Gani (GPA Holder for Dr. C. I. Joseph), No.21, Wood Street, Bengaluru, Karnataka 560025 (SEIAA 138 CON 2015)

M/s. Brookfields Real Estate and Projects Pvt. Ltd., have applied for Environmental clearance from SEIAA for their proposed Brooke Bond SEZ Development Project at Khatha Old No., 119, (Sy. No. 103, 104, 105, 108, 108/2, 109, 112, 112/1 & 113/1B), Kundalahalli Village, Krishnarajapuram Hobli, Bangalore

1. Land details: - Total Plot area is 1,08,658.20 (26 Acres, 34 Guntas)
2. The project consists 3B + GF + 3 UF to 12 UF with Total Built up area is 5,58,940 Sq.mts. Ht. of Building is 45 M.

3. Landscape area (proposed): 35,857.21 Sq.mts
4. Water Requirement: Total water requirement is 1796 KLD. The source of water is BWSSB + Rooftop Rainwater + Treated water.
5. Wastewater Management: - The total quantity of waste water generated is --- KLD and treated is proposed STP of design capacity of 1450 KLD (250 KLD X 2 No's. 475 KLD X 2 No's) with SBR Technology.
6. Excavated Earth Management:- Total Excavated Earth is 2,58,620 Cu.m. 24,750 Cu.m of soil will be used for landscaping and about 1,35,642 Cu.m will be used for levelling, backfilling and internal roads. Remaining 98,228 Cu.m will be handed over to contractors authorized to fill low lying areas/abandoned quarries.
7. Solid Waste Management: Total waste generated in the project is 9,440 Kg/day; out of which 3,851 is organic, treated in organic waste convertor & 5,589 Kg/day is inorganic handover to the local authorized recyclers.
8. Energy Requirement: Total power requirement of 24 MVA is sourced from BESCO; Backup power proposed is DG set of 4000 KVAX 6 No's.
9. Traffic Details: Parking proposed:7,900 Cars.
10. Other details: Height of the building is 45 M.

The Proponent and Environment Consultant attended the 149th meeting of SEAC held on 28th, 29th and 30th September 2015 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. Since the project falls in the category B1, the committee decided to appraise the proposal under B1 category. The committee observed that there is a change in the project name.

The Committee after discussion had decided to issue following additional TOR's along with Standard TOR's.

1. Revised application form regarding change in the name of the project.
2. Detailed write up for the classification of this project under SEZ category.
3. Scheme of protection of nala running through the site
4. List of trees present in the site and no. of trees to be cut compensating the same as per norms,
5. Scheme of disposal of dismantled debris due to demolition of the existing building.
6. Hydrological study of the area influencing the project site (including two lakes nearby) and quantity of discharge through the nala
7. Demarcation of karab land and its area
8. Scheme of utilisation of entire treated water
9. Identification of the sensitive areas around the project site and their list
10. Source of water.

Accordingly the ToR was issued on 13.10.2015.

The project proponent has submitted the EIA report vide letter dated 19.03.2016.

The Proponent and EIA coordinator from M/s. ABC Technologies have attended the meeting of SEAC to present the EIA report.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, EIA report and clarification/additional information provided during the meeting. The proponent informed that they have collected the baseline data between October 2015 to December 2015 and requested to accept the same. The committee observed the following points:

1. There is a discrepancy in kharab area and net area calculation.
2. In grey water treatment plant filter bag is used
3. Mass balance for STP not given
4. Details of excavated earth and its utilization within the project site is not clear

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

1. Kharab area and net area calculation discrepancy has to be clarified
2. Replacing the filter bags with filter press in grey water treatment
3. In the existing trees rare species in Sl. No. 13, 16, 41, 47 and 62 are to be protected and retained.
4. Mass balance for STP to be submitted
5. Detailed calculation of excavated earth and its utilization within the project site to be submitted
6. Positioning of grey treatment plant and organic waste converter points should conform to slopes in site.
7. Explore the possibility of covering the drain after obtaining the permission from the competent Authority.
8. A bridge to be proposed across the drain after obtaining the permission from the competent Authority.

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

Fresh Proposals:

163.15 Residential Apartment Project at Sy.Nos.72/1, 72/2 and 74/3 of Panathur Village, Varthur Hobli, Bangalore East Taluk, Bangalore Urban District of Mr. P.R.Pillappa and Others (Mr.Mallikarjuna) C/o. SSVR Builders and Developers, B-401, Keerthana Kings Place Apartment, Lakshmi Narayanaswamy Temple Road, Munnekolalu, Marathahalli, Bangalore. (SEIAA 30 CON 2016)

Name of Applicant: - Mr. P.R.Pillappa and Others (Mr.Mallikarjuna)

Mr. P.R.Pillappa and Others (Mr.Mallikarjuna) has applied for Environmental clearance from SEIAA for their Residential Apartment Project at Sy.Nos.72/1, 72/2 and 74/3 of Panathur Village, Varthur Hobli, Bangalore East Taluk, Bangalore Urban District

under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost = Rs. 40 Cr.

Land details: - Total Plot area is 8194.49 Sqm

1. The proposed residential buildings consists of 152 units and the configuration of the building is B+GF+3UF in a total built up area of 23,352.31 Sqm. Ht of the building is 14.95 m, Right of way is 9.50 m.

2. Land use details:

Total plot area	- 8194.49 Sqm
Super built up area	-23,352.31 Sqm
Green belt area	-2,704.18 Sqm (33%)
Paved area (drive way)	-1,380.58 Sqm (16.85%)
Ground coverage	-4,109.37 Sqm (50.15%)
FAR permissible is 1.75 and achieved is 1.74.	

3. **Water Requirement:** Total water requirement is 103 KLD.(68 fresh water + 35 KLD Recycled water) The source of water is BWSSB. NOC from BWSSB not submitted.

4. **Wastewater Management:** - The total quantity of waste water generated is 93 KLD (considering 90% waste water generation) and treated in STP design capacity of 100 KLD with SBR technology.

5. **Excavated Earth Management:** - The total Earth work generated = 24,000 Cum. Which will be used for landscaping and road making within the project site.

6. **Solid Waste Management:** Total waste generated in the project is 342 Kgs/day; where 205 kgs/day is the organic waste which will be collected and treated in organic convertor and 137 kgs/day is inorganic waste, will be disposed to Vendors/ Recyclers.

7. **Energy Requirement:** Total power requirement of 100 KW is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 2 x 220 KVA.

8. **Traffic Details:** Not submitted. Parking required is 168 and provided is 168

9. **Environment sensitivity:** EMP submitted.

10. **Other details:** 10 No of recharge pits proposed for rain water.

11. Eco sensitive details: Bellandur Lake – 4 Km (W)

Varthur Lake - 2.5 Km (E)

Kodi of a distance 100 Mts of project site

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

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

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

163.16 Modification and Expansion of Residential Apartment Project at Sy.No.168 (Old Sy.No.7), Ward No.160, Khatha No.824/7/168 of Hosakerehalli Village, Uttarahalli Hobli, Bangalore South Taluk, Bangalore Urban District of M/s. TATA HOUSING DEVELOPMENT LIMITED, #25, Ground Floor - A Wing, Corniche AL - Latheef, Cunningham Road, Bangalore - 560052. (SEIAA 31 CON 2016)

Name of Applicant: - M/s. TATA HOUSING DEVELOPMENT LIMITED,

M/s. TATA HOUSING DEVELOPMENT LIMITED, has applied for Environmental clearance from SEIAA for their Modification and Expansion of Residential Apartment Project at Sy.No.168 (Old Sy.No.7), Ward No.160, Khatha No.824/7/168 of Hosakerehalli Village, Uttarahalli Hobli, Bangalore South Taluk, Bangalore Urban District under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost = Rs. 334.35 Cr.

It is an expansion and modification of residential apartment project for which EC has been obtained by SEIAA vide letter No. SEIAA 05 CON 2011 dated 09.09.2011 for construction of residential apartment on a plot area of 57,670.134 Sqm and a built up area of 1,48,257.08 Sqm having 312 residential units, 64 units of terrace houses and 23 units of independent houses of total 399 units in 4 towers. Tower 1,2,3 and 4 consists of basement+Ground floor+24 UF, 22 UF, 20 UF and 18 UF respectively and terrace houses consist of G+8UF and independent houses consist of 4 floors. (expansion for enhancement of built up area from 1,48,257 Sqm to 1,49,304.41 Sqm and increase residential apartment flats from 399 Nos to 469 Nos).

Land details: - Total Plot area is 57,587 Sqm, relinquished area for road widening is 1,826.9 Sqm and net area available is 55,760.01 Sqm

11. The proposed residential buildings consists of Flats – 312 Nos, Stepped houses – 90 Nos, Independent houses – 24 Nos and EWS units – 43 Nos.

Configuration of the project:

- a. Residential flats consist of 4 TowersL
 - Tower 1 - 2B+G+24 UF
 - Tower 2 - 3B+G+22 UF
 - Tower 3 - 2B+G+20 UF
 - Tower 4 - 4B+G+20 UF
 - b. Stepped Houses and EWS consists G+8 Levels
 - c. Independent Houses – 4 floors.
- Ht of the building is 82.5 m and Right of Way is 12.15 m

12. Land use details:

Net plot area	- 55, 760.1 Sqm
Super built up area	-1,49,304.41 Sqm
Green belt area	-20,373.05 Sqm (35.32%)
Paved area (drive way)	-24,097.2 Sqm (43.3%)
Ground coverage	-11,289.85 Sqm (21.35%)

FAR permissible is 2.25 and achieved is 1.913.

13. **Water Requirement:** Total water requirement is 352 KLD.(247 fresh water + 105 KLD Recycled water) The source of water is BWSSB. NOC from BWSSB not submitted.
14. **Wastewater Management:** - The total quantity of waste water generated is 320 KLD (considering 90% waste water generation) and treated in STP design capacity of 320 KLD with SBR technology.
15. **Excavated Earth Management:** - Since it is an expansion project and all excavated earth already used in their property.
16. **Solid Waste Management:** Total waste generated in the project is 1055 Kgs/day; where 633 kgs/day is the organic waste which will be collected and treated in organic convertor and 422 kgs/day is inorganic waste, will be disposed to Vendors/ Recyclers.
17. **Energy Requirement:** Total power requirement of 1000 KVA is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 4x625 KVA.
18. **Traffic Details:** Not submitted. Parking required is 683 and provided is 1015
19. **Environment sensitivity:** EMP submitted.
20. **Other details:** Rain water harvesting is proposed.
21. **Eco sensitive details:** Hosakerehalli Lake is 300 mt distance from north side of the project.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. The committee observed that the Earlier EC was issued for Block D with a configuration of B+G+18 UF whereas the plan was sanctioned for B+G+20 UF. The committee asked the proponent to clarify the same.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance subject to submission of clarification with regard to the configuration and BUA if there is any increase in the BUA.

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

163.17 "Bagmane Constellation Business Park - LYNX" Project at Sy.No.59/1 of Doddanekundi Village, K.R.Puram Hobli, Bangalore East Taluk, Bangalore Urban District of M/s. Bagmane Developers Pvt. Ltd., Lake View 'A' Block, 8th Floor, Bagmane Tech Park, C.V. Raman Nagar, Bangalore - 560093. (SEIAA 33 CON 2016)

Name of Applicant: - M/s. Bagmane Developers Pvt. Ltd.,

M/s. Bagmane Developers Pvt. Ltd., has applied for Environmental clearance from SEIAA for their 163.17 "Bagmane Constellation Business Park - LYNX" Project at Sy.No.59/1 of Doddanekundi Village, K.R.Puram Hobli, Bangalore East

Taluk, Bangalore Urban District under 8(a) of schedule EIA Notification – 2006 under category B. Project cost is 203.5 Crores.

Land details: - Total Plot area is 23,067.11 Sqm

1. The proposed construction of office building with a configuration of 3B+G+10 UF in a total built up area of 96,648.74 Sqm. Ht of the building is 44.9 m. Right of way is 18 m

2. Land use details:

Total plot area	- 23,067.11 Sqm
Built up area	-96,648.74 Sqm
Green belt area	-7630 Sqm (33.1%)
Ground coverage	-6,700 Sqm

3. **Water Requirement:** Total water requirement is 340 KLD The source of water is BWSSB. NOC from BWSSB submitted.

4. **Wastewater Management:** - The total quantity of waste water generated is 323 KLD (90% considered as waste water) and treated in STP design capacity of 325 KLD with SBR technology.

5. **Excavated Earth Management:** - The total Earth work generated will be used within the project site for road formation, back filling and landscape development.

6. **Solid Waste Management:** The organic waste which will be collected and treated in organic convertor and inorganic waste will be disposed to Vendors/ Recyclers.

7. **Energy Requirement:** Total power requirement of 5,200 KVA is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 5x1500 KVA.

8. **Traffic Details:** Traffic details not submitted. . Parking required is 1144 and provided is 1145

9. **Environment sensitivity:** EMP submitted.

10. **Other details:** Rain water harvesting is proposed.

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

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

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

163.18 Residential Apartment Project at Sy.No.126 of Indlabele Village, Attibele Hobli, Anekal Taluk, Bengaluru Urban District of M/s. GRC Infra Pvt. Ltd., No.161/A, 7th Cross, Teachers Colony, 1st Stage, Kumaraswamy Layout, Bengaluru - 560078. (SEIAA 35 CON 2016)

Name of Applicant: - M/s. GRC Infra Pvt. Ltd.,

M/s. GRC Infra Pvt. Ltd., has applied for Environmental clearance from SEIAA for their Residential Apartment Project at Sy.No.126 of Indlabele Village, Attibele

Hobli, Anekal Taluk, Bengaluru Urban District under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost = Rs. 46.5 Cr.

Land details: - Total Plot area is 15543.25 Sqm

1. The total built up area of the project is 46,261.46 Sqm, comprising of 320 Nos of units in block A & B and a club house, which are sprawled across B+G+4UF, G+2UF respectively with a maximum ht of 14.95 m.
2. **Land use details:**

Total plot area	- 15543.25 Sqm
Built up area	-46,261.46 Sqm
Green belt area	-5374.57 Sqm (37.98%)
Paved area (drive way)	-1945.74 Sqm (13.75%)
Service Area	-89.32 Sqm (0.63%)
Ground coverage	-6742.49 Sqm (47.64%)

Permissible FAR is 2.5 and achieved is 2.25.
3. **Water Requirement:** Total water requirement is 222 KLD.(91 fresh water + 131 KLD Recycled water) The source of water is Bidaraguppe Gram Panchayath.
4. **Wastewater Management:** - The total quantity of waste water generated is 211 KLD (considering 95% waste water generation) and treated in STP design capacity of 220 KLD with SBR technology.
5. **Excavated Earth Management:** - The total Earth work generated = 20,227.47 Cum. Which will be used for back filling, for landscaping, driveway formation and for site formation.
6. **Solid Waste Management:** Total waste generated in the project is 824 Kg/day; where 494 Kg/day is the organic waste which will be collected and treated in organic convertor and 330 Kg/day is inorganic waste, will be disposed to Vendors/ Recyclers.
7. **Energy Requirement:** Total power requirement of 1569 KW is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 2x380 KVA. Energy savings from the project is 33.5%.
8. **Traffic Details:** submitted. Parking required is 366 and provided is 371
9. **Environment sensitivity:** EMP submitted.
10. **Other details:** 30 No of recharge pits provided for rain water harvesting.
11. **Eco sensitive details:** Karnataka-Tamil Nadu interstate boundary is 1 km from the project site.

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

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

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

163.19 Residential Apartment project at Sy no. 195/1 and 195/2 Mahadevapura Village, K.R. Puram Hobli, Bangalore East Taluk Bangalore of M/s. Candeur Constructions, No. 126, 3 rd Floor, H.M. Road, St. Thomas Town Post, Kacharkanahalli, Bangalore- 560084. (SEIAA 36 CON 2016)

Name of Applicant: - M/s. Candeur Constructions,

M/s. Candeur Constructions, has applied for Environmental clearance from SEIAA for their Residential Apartment Project at Sy no. 195/1 and 195/2 Mahadevapura Village, K.R. Puram Hobli, Bangalore East Taluk Bangalore under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost = Rs. 46.72 Cr.

Land details: - Total Plot area is 11565.43 Sqm

1. The total built up area of the project is 46,722.20 Sqm, comprising of 401 Nos of units with a configuration of LB+UB+GF+18UF. a maximum ht of 59.9 m.

2. Land use details:

Total plot area	- 11565.43 Sqm
Built up area	-46,722.20 Sqm
Green belt area	-6063.3 Sqm (52.45%)
Paved area (drive way)	-2806.7 Sqm (24.26%)
Ground coverage	-2632.40 Sqm (22.76%)
FAR achieved is 4.04.	

3. **Water Requirement:** Total water requirement is 270 KLD.(151 fresh water + 119 KLD Recycled water) The source of water is BWSSB. NOC from BWSSB not submitted.

4. **Wastewater Management:** - The total quantity of waste water generated is 243 KLD (considering 90% waste water generation) and treated in STP design capacity of 250 KLD with SBR technology.

5. **Excavated Earth Management:** - The total Earth work generated = 13,434.8 Cum. Which will be used for back filling, for landscaping, driveway formation and for site formation.

6. **Solid Waste Management:** organic waste generated in the project will be collected and treated in organic convertor and inorganic waste will be disposed to Vendors/ Recyclers.

7. **Energy Requirement:** the power is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 2x250 KVA.

8. **Environment sensitivity:** EMP submitted.

9. **Other details:** rain water harvesting proposed.

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

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

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

163.20 Proposed additions to the existing "Shopping mall cum multiplex" project at Katha No.148/2, Ward No 53, Mysore road, Bengaluru of M/s. Gopalan Enterprises, # 5, Richmond Road, Bengaluru – 560 025 (SEIAA 37 CON 2016)

Name of Applicant: - M/s. Gopalan Enterprises,

M/s. Gopalan Enterprises, has applied for Environmental clearance from SEIAA for their additions to the existing "Shopping mall cum multiplex" project at Katha No.148/2, Ward No 53, Mysore road, Bengaluru under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost = Rs. 30 Cr.

Land details: - Total Plot area is 13046.72 Sqm

1. The total built up area of the project is 32,584 Sqm with a configuration of B+G+4UF and a ht of 17.95 m.
2. **Land use details:**

Total plot area	- 13046.72 Sqm
Built up area	- 32,584 Sqm
Green belt area	- 1389.47 Sqm (10.65%)
Paved area (drive way)	- 4992.78 Sqm (38.27%)
Service Area	- 473.38 Sqm (3.63%)
Ground coverage	- 6191.09 Sqm (47.45%)

Permissible FAR is 3.25 and achieved is 1.96.
3. **Water Requirement:** Total water requirement is 108 KLD.(38 fresh water + 70 KLD Recycled water) The source of water is from BWSSB. NOC from BWSSB is not submitted.
4. **Wastewater Management:** - The total quantity of waste water generated is 103 KLD (considering 95% waste water generation) and treated in STP design capacity of 110 KLD with SBR technology.
5. **Excavated Earth Management:** - Since it is an expansion project and all excavated earth already used in their property.
6. **Solid Waste Management:** Total waste generated in the project is 872 Kg/day; where 174 Kg/day is the organic waste which will be collected and treated in organic convertor and 698 Kg/day is inorganic waste, will be disposed to Vendors/ Recyclers.
7. **Energy Requirement:** Total power requirement of 2679 KW is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 8x500 KVA. Energy savings from the project is 15%.
8. **Traffic Details:** submitted. Parking required is 329 and provided is 337
9. **Environment sensitivity:** EMP submitted.
10. **Other details:** 4 No of recharge pits provided for rain water harvesting.

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

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

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

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

163.21 Residential development project at Sy No. 64/1A, 64/1B, 64/3A & 64/3B of Hulimavu Village, Begur Hobli and Survey Number: 81/2E of Kothanur Village, Uttarahalli Hobli, Bangalore South Taluk of Mr. Zaid Sadiq, Prestige Nottinghill Investments, The Falcon House, #1, Main Guard Cross road, Bangalore – 560 001.(SEIAA 38 CON 2016)

Name of Applicant: - Mr. Zaid Sadiq

Mr. Zaid Sadiq has applied for Environmental clearance from SEIAA for their Residential development Project at Sy No. 64/1A, 64/1B, 64/3A & 64/3B of Hulimavu Village, Begur Hobli and Survey Number: 81/2E of Kothanur Village, Uttarahalli Hobli, Bangalore South Taluk under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost = Rs. 137.66 Cr.

Land details: - Total Plot area is 26,591.42 Sqm; Net area left after road widening is 25,794.75 Sqm

1. The proposed residential buildings consists of 580 units with a configuration of 2B+GF+18UF and a club house in a total built up area of 1,07,841.86 Sqm. Ht of the building is 59.50 m.
2. **Land use details:**

Total plot area	- 25,794.75 Sqm
Built up area	-1,07,841.86 Sqm
Green belt area	-12584.42 Sqm (48.78%)
Paved area (drive way)	-7588.32 Sqm (29.42%)
Service Area	-522.13 Sqm (2.02%)
Ground coverage	-5099.88 Sqm (19.78%)
3. **Water Requirement:** Total water requirement is 412 KLD.(281 fresh water + 131 KLD Recycled water) The source of water is BWSSB. NOC from BWSSB not submitted.
4. **Wastewater Management:** - The total quantity of waste water generated is 329.60 KLD (considering 80% waste water generation) and treated in STP design capacity of 330 KLD with SBR technology.
5. **Excavated Earth Management:** - The total Earth work generated = 1,15,000 Cum. 7,500 cum for backfilling; 12,000 cum for road formation and site gradation; 10,000 cum for filling on podium; 10,000 cum for landscaping and balance 75,500 cum will be disposed outside the site.
6. **Solid Waste Management:** Total waste generated in the project is 1.50 MT/day; where 0.86 MT/day is the organic waste which will be collected and treated in organic convertor and 0.46 MT/day is inorganic waste, will be disposed to Vendors/ Recyclers. STP sludge generated is 16.50 Kg/ day will be used as manure for gardening.

7. **Energy Requirement:** Total power requirement of 3,790 KW is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 5x630 KVA.
8. **Traffic Details:** Not submitted. Parking provided is 671
9. **Environment sensitivity:** EMP submitted.
10. **Other details:** 13 No of recharge pits with a capacity of 90 cum provided for rain water harvesting.
11. Eco sensitive details: Kalena Agrahara Kere - 0.83 km

Hulimavu Lake	-	1.2 km
Are kere	-	1.10 km

The Proponent and EIA coordinator from M/s. Clean Technologies have attended the meeting of SEAC to present the EIA report.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan, EIA report and clarification/additional information provided during the meeting. The proponent informed that there exists some old buildings which are proposed to be demolished. The committee observed the following points:

1. Details of excavated earth and its utilization within the project site is not convincing.
2. List of existing trees in the site and no. Of trees proposed to be cut/retained is not given

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

1. Revised earth work calculation and its utilization within the site & scheme of disposal of construction debris
2. List of existing trees in the site and no. Of trees proposed to be cut/retained

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

163.22 Residential building project at Sy no 76/2 ,76/3 Panathur Village ,varthur Hobli ,Bangalore of Mr., Vinod Kumar Reddy. A., M/s Mckinley Ventures Managing Partner #796, 9th 'A' Main, 9th A Main Rd, Binnamangala, Stage 2, Indiranagar, Bengaluru, Karnataka 560038 (SEIAA 39 CON 2016)

Name of Applicant: - M/s Mckinley Ventures Managing Partner

M/s Mckinley Ventures Managing Partner has applied for Environmental clearance from SEIAA for their 163.22 Residential building project at Sy no 76/2 ,76/3 Panathur Village ,varthurHobli ,Bangalore under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost = Rs. 48 Cr.

Land details: - Total Plot area is 13,463.95 Sqm

1. The proposed residential buildings consists of 260 units with a configuration of B+SF+13UF in a total built up area of 47,600 Sqm. Right of way is 13 m.
2. **Land use details:**

Total plot area	- 13,463.95 Sqm
Built up area	-47,600 Sqm
Green belt area	-4443.10Sqm (41.5%)
3. **Water Requirement:** Total water requirement is 115 KLD.(85 fresh water + 30 KLD Recycled water) The source of water is BWSSB. NOC from BWSSB not submitted.
4. **Excavated Earth Management:** - The total Earth work generated = 20195 Cum. 6548 cum for backfilling; 6500 cum for backfilling on the backside of retaining walls and underground tanks; 6500 cum for landscape development.
5. **Solid Waste Management:** Total waste generated in the project is 780 Kg/day; where 468 Kg/day is the organic waste which will be collected and treated in organic convertor and 312 Kg/day is inorganic waste, will be disposed to Vendors/ Recyclers.
6. **Energy Requirement:** Total power requirement of 13000 KVA is sourced from BESCO; Backup power proposed is DG sets with a capacity of 1x500 KVA.
7. **Traffic Details:** Not submitted. Parking provided is 237
8. **Environment sensitivity:** EMP submitted.
9. **Other details:** 5 No of recharge pits provided for rain water harvesting.
10. **Eco sensitive details:** Bellandur lake, varthur lake, devarabisanahalli kere and saul kere (distance not mentioned)

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. The committee observed that there is a discrepancy in water balance chart submitted in presentation & application.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance with a condition to revise the water balance chart and hydrological study of the area considering micro water shed network area. .

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

163.23 Proposed commercial building project “Prestige Minsk Square” at At Plot No.6 & 7, Municipal Ward No.78, Cubbon Road, Vasanthnagar, Bengaluru of Mr. Zaid Sadiq, M/s. Prestige Estates Projects Ltd, The Falcon House, No: 1, Main Guard Cross Road, Bengaluru-560 001 (SEIAA 40 CON 2016)

Name of Applicant: - Mr. Zaid Sadiq, M/s. Prestige Estates Projects Ltd,

Mr. Zaid Sadiq, M/s. Prestige Estates Projects Ltd, has applied for Environmental clearance from SEIAA for their commercial building project “Prestige Minsk Square” at At Plot No.6 & 7, Municipal Ward No.78, Cubbon Road, Vasanthnagar, Bengaluru under 8(a) of schedule EIA Notification – 2006 under category B. Total Project cost = Rs. 73.05 Cr.

Land details: - Total Plot area is 9116.127 Sqm

1. The total built up area of the project is 54,358.69 Sqm, comprising commercial complex of 3B+G+14UF. a maximum ht of 58.95 m.

2. Land use details:

Total plot area	- 9116.127 Sqm
Built up area	-54,358.69 Sqm
Green belt area	-1371.927 Sqm (15.15%)
Paved area (drive way)	- 2714.0 Sqm (29.98%)
Service area	- 745 Sqm (8.23%)
Ground coverage	-3198.03 Sqm (35.32%)
Permissible FAR is 4.0 and FAR achieved is 3.99.	

3. **Water Requirement:** Total water requirement is 200 KLD.(80 fresh water + 120 KLD Recycled water) The source of water is BWSSB. NOC from BWSSB not submitted.

4. **Wastewater Management:** - The total quantity of waste water generated is 180 KLD (considering 90% waste water generation) and treated in STP design capacity of 180 KLD with SBR technology.

5. **Excavated Earth Management:** - The Excavated earth is proposed to re-use within the site for backfilling and top soil will be stored for reusing it for landscaping. Quantification not given.

6. **Solid Waste Management:** organic waste generated in the project will be collected and treated in organic convertor and inorganic waste will be disposed to Vendors/ Recyclers.

7. **Energy Requirement:** The total power requirement is 2,500 KVA is sourced from BESCOM; Backup power proposed is DG sets with a capacity of 2x500 KVA. Energy savings is 25.68%

8. **Traffic Details:** Parking required is 729 and provided is 738.

9. **Environment sensitivity:** Ulsoor lake is 2.5 km from the project site in the East direction.

10. **Other details:** 10 Nos of recharge pits with a capacity of 60 Cum is proposed for rain water harvesting.

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

The committee appraised the proposal considering the information provided in the statutory application-Form I, Form-1A, Conceptual Plan and clarification/additional information provided during the meeting. The proponent informed the committee that they have applied for change in land use pattern to BDA and they have yet to receive the same. The committee observed that the earthwork generated is not fully utilized within the site.

The Committee after discussion decided to recommend the proposal to SEIAA for issue of Environmental Clearance after submission of details of earth work generation and utilization within the site.

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

Subjects taken with the permission of the Chair:

163.24 The committee had taken a decision in the earlier meeting to visit the BBMP land fill site on 13.04.2016 to give the site specific ToRs. Accordingly the committee formed the sub-committee comprising the following members:

- | | | |
|------------------------|---|----------|
| 1. Sri. N.Naganna | - | Chairman |
| 2. Prof. D.L.Manjunath | - | Member |
| 3. Dr. K.C.Jayaramu | - | Member |
| 4. Dr. K.B.Umesh | - | Member |
| 5. Sri Subramany. M | - | Member |

Accordingly the sub-committee has visited the sites on 13.04.2016 along with the Scientific Officer, Ecology and Environment Department and submitted the site inspection report. The committee perused the report and accepted the same. Following is the site inspection report:

Site Visit of proposed development of scientific landfill for disposal of inerts at abandoned quarry pits in and around Bangalore.

This is a New proposal submitted by M/s Bruhat Bangalore Mahanagara Palike, seeking Environmental clearance for proposed development of scientific landfill for disposal of inerts_projects at 8 abandoned quarry pits in BBMP limits in and around Bangalore under Schedule 7 (i) Common Municipal Solid Waste Management Facility (CMSWME), of EIA Notification, 2006 under Category- B.

Date of Visit: 13. 04. 2016

Time of visit: 9.15 PM to 6.45 PM

Members visiting:

- | | | |
|-------------------|---|----------|
| 1. Sri. N.Naganna | - | Chairman |
|-------------------|---|----------|

2. Prof. D.L.Manjunath - Member
3. Dr. K.C.Jayaramu - Member
4. Dr. K.B.Umesh - Member
5. Sri Subramany. M - Member

Officials of Ecology and Environment Department Present:

1. Sri B.S. Chandrashekar - Scientific Officer, SEAC

Representatives of the proponent present

1. Sri. Venkateshmurthy - Spl Officer to Spl Commissioner, SWM
2. Sri. Ravindranath, - SE, Bettahalasur, Mailasandra and Maragondanahalli
3. Sri. Yerrappareedy, - EE, Bellahalli
4. Sri. Vishwanath, - SE, Mittiganahalli
5. Sri. Rangaswamy, - SE, Baglur
6. Sri. Nagaraj, - SE, Kadaagrahara
7. Sri. Mudduraj, - SE, Muddaianapalya
8. Sri. Shivakumar, - AEE
9. Sri. Nitin, - AEE

1. Proposed development of Scientific Landfill for disposal of inerts project at Bettahalasur quarry pits in Dasarahalli Zone, Bangalore.

At present, there is no mining activity going on in the quarry and as reported by BBMP officials, mining is banned in Bangalore urban district, and hence there is no mining activity at the site.

Observations by SEAC members:

1. There is a water body present in the nearby village and also a dry tank bed near the quarry.
2. Loose boulders and rocks were seen in the proposed dump site and the committee asked the BBMP officials to lift the same from the quarry pits, as it is a resource and the loose material should be lifted without resorting to blasting. (Not amounting to mining)
3. The proponents have informed that, they have identified 25 Sq.km of the area in the BBMP limits which contributes to these pits. However, taking other developments in the vicinity outside the BBMP limits, the quantity has to be assessed properly and specific routes to convey the debris in such a way that it should not affect artery roads and junctions.
4. The approach road from highway has been visited and it was closed temporarily. The approach road is to be made pucca.
5. The proponents informed the committee that there is only landfill and there will be no processing. They have proposed to level the debris and there will be no compaction. The committee directed the proponent that, there should be no scope for dust emission.

6. Holding capacity of the pits has not been calculated. The committee asked the proponent to assess the holding capacity of all the pits to decide the life of the quarry pits.
7. Committee suggested to study the geological condition of the quarry pits in detail to identify the presence of joints and fractures if any, to prevent seepage (leachate management scheme has to be given)

In view of the above the committee proposed additional ToRs as under:

1. Leachate management scheme has to be given.
2. Holding capacity of the pits have to be calculated
3. Identify the type of debris to be used for filling. It is recommended that only inert construction and demolition debris is to be allowed for landfill.
4. Scheme of removal of existing loose boulders & rocks to be given.
5. Conveying of debris to the quarry pit - Transportation protocol has to be given

2. Proposed development of Scientific Landfill for disposal of inerts project at Mittiganahalli quarry pits in Bangalore West Zone, Bangalore.

At present, there is no mining activity going on in the quarry and as reported by BBMP officials, mining is banned in Bangalore urban district, and hence there is no mining activity at the site.

Observations by SEAC members:

1. Loose boulders and rocks were seen in the proposed dump site and the committee asked the BBMP officials to lift the same from the quarry pits, as it is a resource and the loose material should be lifted without resorting to blasting. (Not amounting to mining)
2. The proponents showed the abandoned quarry sites which were in the custody of BBMP. There are several abandoned quarries in and around which were told as private quarries. There were several crushers working during the visit in the vicinity. On enquiry, the committee was informed that, raw material was brought from outside and only crushing is done here.
3. There was no quarrying activity going on in the entire Mittiganahalli site and surroundings.
4. During inspection, it was observed that, some of the quarry pits which were water logged have algae growth, indicating entry of nutrients from outside. This may be an indication of hard basement and lateral flow of water into the pits. Hence, geological study has to be conducted in detail to ascertain the flow of water through crevices.
4. The approach road is to be made pucca.
5. The proponents informed the committee that there is only landfill and there will be no processing. They have proposed to level the debris and there will be no compaction.

The committee directed the proponent that, there should be no scope for dust emission.

5. Holding capacity of the pits has not been calculated and committee asked the proponent to assess the holding capacity of all the pits to decide the life of the quarry pits.
6. Committee suggested to study the geological condition of the quarry pits in detail to identify the presence of joints and fractures if any, to prevent seepage (leachate management scheme has to be given)

In view of the above the committee proposed additional ToRs as under:

1. Leachate management scheme has to be given.
2. Holding capacity of the pits have to be calculated
3. Identify the type of debris to be used for filling. It is recommended that only inert construction and demolition debris is to be allowed for landfill.
4. Scheme of removal of existing loose boulders & rocks to be given.
5. Conveying of debris to the quarry pit - Transportation protocol has to be given.
6. Detailed geological study of the quarry area has to be conducted.

3. Proposed development of Scientific Landfill for disposal of inerts project at Bellahalli quarry pits in Yelahanka Zone, Bangalore.

At present, there is no mining activity going on in the quarry and as reported by BBMP officials, mining is banned in Bangalore urban district, and hence there is no mining activity at the site.

Observations by SEAC members:

1. The proponents have informed that, the material comes from ward no. 5 to 11. The total extent of quarry pits is 8 acres.
2. The site is under preparation for receiving land fill. The geosynthetic sheets have been spread at the bottom and it was instructed to spread the geosynthetic sheets to the sides also.
3. The quality of dry waste has to be regularly monitored to ensure the suitability of dry waste disposal as per MSW norms. Plastic wastes should not enter the disposal site.

In view of the above the committee proposed additional ToRs as under:

1. Leachate management scheme has to be given.
2. Identify the type of debris to be used for filling.
3. Scheme of removal of existing loose boulders and rocks to be given.
4. Conveying of debris to the quarry pit – Transportation protocol has to be given.
5. Approach road to be made pucca.

4. Proposed development of Scientific Landfill for disposal of inerts project at Bagalur quarry pits in Bangalore North, Bangalore.

At present, there is no mining activity going on in the quarry and as reported by BBMP officials, mining is banned in Bangalore urban district, and hence there is no mining activity at the site.

Observations by SEAC members:

1. Approach road runs in agricultural lands.
2. Loose boulders and rocks were seen in the proposed dump site and the committee asked the BBMP officials to lift the same from the quarry pits, as it is a resource and the loose material should be lifted without resorting to blasting. (Not amounting to mining)
3. The quantity of land fill has to be assessed properly and specific routes to convey the debris in such a way that it should not affect artery roads and junctions.
4. The proponents informed the committee that there is only landfill and there will be no processing. They have proposed to level the debris and there will be no compaction. The committee directed the proponent that, there should be no scope for dust emission.
6. Holding capacity of the pits has not been calculated and committee asked the proponent to assess the holding capacity of all the pits to decide the life of the quarry pits.
7. Committee suggested to study the geological condition of the quarry pits in detail to identify the presence of joints and fractures if any, to prevent seepage (leachate management scheme has to be given)

In view of the above the committee proposed additional ToRs as under:

1. Leachate management scheme has to be given.
2. Holding capacity of the pits have to be calculated
3. Identify the type of debris to be used for filling. It is recommended that only inert construction and demolition debris is to be allowed for landfill.
4. Scheme of removal of existing loose boulders & rocks to be givens.
5. Conveying of debris to the quarry pit - Transportation protocol has to be given

5. Proposed development of Scientific Landfill for disposal of inerts at Mylasandra quarry pits in Bommanahalli Zone, Bangalore.

At present, there is no mining activity going on in the quarry and as reported by BBMP officials, mining is banned in Bangalore urban district, and hence there is no mining activity at the site.

Observations by SEAC members:

1. Approach road is in bad condition and it passes through Begur village.
2. Loose boulders and rocks were seen in the proposed dump site and the committee asked

the BBMP officials to lift the same from the quarry pits, as it is a resource and the loose material should be lifted without resorting to blasting. (Not amounting to mining)

3. There is one abandoned quarry where building material is being extracted illegally. It was informed that it is a private quarry. Even in abandoned quarry proposed for land fill, illegal quarrying is going on.
4. Rampant filter sand activity is going on. And near to the quarry pits, there is human habitat and care should be taken to ensure the safety of the human habitat during landfill.
5. The quantity has to be assessed properly and specific routes to convey the debris in such a way that it should not affect artery roads and junctions.
4. The proponents have failed to explain clearly the nature of waste that is going to be dumped. The committee asked the proponent to specify clearly the nature of waste to be used for landfill.
6. Holding capacity of the pits has not been calculated and committee asked the proponent to assess the holding capacity of all the pits to decide the life of the quarry pits.
7. Committee suggested to study the geological condition of the quarry pits in detail to identify the presence joints and fractures if any, to prevent seepage (leachate management scheme has to be given)

In view of the above the committee proposed additional ToRs as under:

1. Leachate management scheme has to be given.
 2. Holding capacity of the pits have to be calculated
 3. Identify the type of debris to be used for filling. It is recommended that only inert construction and demolition debris is to be allowed for landfill.
 4. Scheme of removal of existing loose boulders & rocks to be given.
 5. Conveying of debris to the quarry pit - Transportation protocol has to be given
- 6. Proposed development of Scientific Landfill project at Muddaianapalya quarry pits in BBMP South Zone, Bangalore Urban District.**

At present, there is no mining activity going on in the quarry and as reported by BBMP officials, mining is banned in Bangalore urban district, and hence there is no mining activity at the site.

Observations by SEAC members:

1. On the downstream side of the quarry, there is a human habitat and lot of agricultural activity is taking place and banana plantation is also there.
2. As reported by the local people, there exist two tanks on the D/s of the quarry namely; Bheemanakuppe and Gulagunjanahalli tank.
3. The terrain is sloping towards d/s. If the landfill is not done properly, then during rains, the water will flow rapidly, which will affect the existing greenery and also there will be impact on ground water.

4. There is a major valley passing by the side of the quarry. Hence it is suggested to conduct surface drainage system study.
2. Loose boulders and rocks were seen in the proposed dump site and the committee asked the BBMP officials to lift the same from the quarry pits, as it is a resource and the loose material should be lifted without resorting to blasting. (Not amounting to mining)
3. Illegal dumping of waste from granite industry (cutting and polishing waste) is observed during site visit.
4. The proponents informed the committee that there is only landfill and there will be no processing. They have proposed to level the debris and there will be no compaction. The committee directed the proponent that, there should be no scope for dust emission.
6. Holding capacity of the pits has not been calculated and committee asked the proponent to assess the holding capacity of all the pits to decide the life of the quarry pits.
7. Committee suggested to study the geological condition of the quarry pits in detail to identify the presence of joints and fractures if any, to prevent seepage (leachate management scheme has to be given)
8. Committee suggested the following measures to be taken to protect the valley, greenery and human habitat.
 - a) The bund on the d/s of the quarry is to be raised to prevent any spillage of material in to the valley by constructing a retaining wall (water proof).
 - b) Contour as existing for the entire quarry area is to be studied and given.
 - c) On the d/s, to the appropriate height, retaining wall to be constructed.
 - d) The waste dump should be compulsorily construction and demolition waste only inert and under any circumstances bio degradable organic waste should be avoided to protect greenery and agricultural activities on d/s side.

In view of the above the committee proposed additional ToRs as under:

1. Leachate management scheme has to be given.
2. Holding capacity of the pits have to be calculated
3. Identify the type of debris to be used for filling. It is recommended that only inert construction and demolition debris is to be allowed for landfill.
4. Scheme of removal of existing loose boulders & rocks to be given.
5. Conveying of debris to the quarry pit - Transportation protocol has to be given
6. Mitigation measures taken, if granite waste is allowed for dumping is to be provided.

7. Proposed development of Scientific Landfill for disposal of inerts project at Maragondanahalli quarry pits in Rajarajeswarinagar Zone, Bangalore.

At present, there is no mining activity going on in the quarry and as reported by BBMP officials, mining is banned in Bangalore urban district, and hence there is no mining activity at the site.

Observations by SEAC members:

1. The proposed quarry pit is adjoining to the one at Muddaianapalya, but separated by road.
2. The proponents informed the committee that there is only landfill and there will be no processing. They have proposed to level the debris and there will be no compaction. The committee directed the proponent that, there should be no scope for dust emission.
3. Holding capacity of the pits has not been calculated and committee asked the proponent to assess the holding capacity of all the pits to decide the life of the quarry pits.
4. Committee suggested to study the geological condition of the quarry pits in detail to identify the presence of joints and fractures if any, to prevent seepage (leachate management scheme has to be given)

In view of the above the committee proposed additional ToRs as under:

1. Leachate management scheme has to be given.
2. Holding capacity of the pits have to be calculated
3. Identify the type of debris to be used for filling. It is recommended that only inert construction and demolition debris is to be allowed for landfill.
4. Conveying of debris to the quarry pit – Transportation protocol has to be given.

163.25 Building Stone Quarry Project, Sy.No.22 (P) of Hodekallu Village, Tumkur Taluk & District (10 Acres) (QL No.565) of M/s. Sri Lakshminarayana Stone Crushers (SEIAA 1141 MIN 2015)

This is a **Renewal** proposal submitted by Sri Lakshminarayana Stone Crushers, seeking Environmental clearance for quarrying of **Building Stone** in an area of 10-00 Acres at Sy.No.22 (P) of Hodekallu Village, Tumkur Taluk & District. It is a Government Land.

It is stated that the project do not attract General conditions of EIA Notification of 2006.

The mining plan has been prepared by RQP B.N.Krishnamurthy approved by Deputy Director, Dept. of Mines & Geology, Tumkuru District. Capacity of mining is Av. 1,28,906 TPA

The Proponent and the RQP/Environment Consultant attended the 151st meeting of SEAC held on 19th, 20th and 21st October 2015 to provide clarification/additional information.

The committee appraised the proposal considering the information provided in the statutory application-Form I, Pre Feasibility Report, approved mining plan and clarification/information provided during the meeting. The committee observed that, the proposed quarry area may fall in the forest area & hence directed the proponent to confirm the same & if the quarry area falls in the forest area then NOC from forest department is required. The proposed production for five years is OK.

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

1. Clarification regarding the forest area.
2. Copy of RTC
3. Rigid mitigation measures to protect the flora & fauna in the adjoining forest land.

The proponent have submitted the reply vide letter dated 04.12.2015.

The proponent has not submitted the NOC from the Forest Department.

The committee discussed the proposal during the 157th SEAC meeting held on 11th, 12th and 13th January 2016. The Committee decided to provide one more opportunity to proponent to submit the NOC from Forest Department with intimation that the proposal will be appraised based on merit in his absence, in case he remains absent or if he fails to submit the information sought by the committee.

The proposal was placed before the committee during the 158th meeting held on 27th and 28th January 2016. The proponent has not submitted the information sought by the committee in the earlier meeting.

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

The Authority during the meeting held on 26.02.2016 had perused the proposal and took note of the recommendation of SEAC. The Authority had noted that the proponent have submitted a letter dated 10.02.2016, requesting a time of 15 days for submission of NOC from Forest Department.

The Authority after discussion had decided to provide one more opportunity.

The Authority perused the letter submitted by the proponent along with the NOC from DCF, Tumkur during the 115th meeting of SEIAA held on 11th March 2016.

The Authority after discussion decided to refer the file back to SEAC for appraisal in accordance with the law.

The committee took note of the recommendation of the Authority and also perused the NOC from DCF, Tumkur submitted by the proponent vide letter dated 03.03.2016.

The committee agreed with the information submitted by the proponent and also the proposal has been appraised in its earlier meeting, the committee had decided to recommend the proposal to SEIAA for issue of Environmental Clearance.

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

Meeting ended with thanks to the Chair.

Secretary, SEAC
Karnataka

Chairman, SEAC
Karnataka