



## State Level Environment Impact Assessment Authority, Karnataka

(Constituted by the MoEF, Government of India under section 3(3) of E(P) Act, 1986)

**Proceedings of the 201<sup>st</sup> SEIAA Meeting to be held on 3<sup>rd</sup> September 2021 at 11:00 AM at Room No. 709, 7<sup>th</sup> Floor, Gate IV, M.S Building, Bangalore - 560001.**

### **Members present: -**

- |                                 |   |                         |
|---------------------------------|---|-------------------------|
| 1. Dr. K. R. Sree Harsha,       | - | Chairman, SEIAA         |
| 2. Shri. K. N. Shivalinge Gowda | - | Member, SEIAA           |
| 3. Sri. Brijesh Kumar, IFS      | - | Member Secretary, SEIAA |

The Chairman welcomed the members and initiated the discussion. The subjects discussed and the decisions made on each of the agenda points are as follows:

### **201.1. Fresh Projects (Recommended for EC) :**

#### **Industrial Projects:**

#### **201.1.1. API Manufacturing Industry Project at Industrial Area (Phase-II) Gowribidanur Taluk, Chikkaballapura District by M/s. PMAARS BIOSCIENCES (SEIAA 19 IND 2021)**

M/s. PMAARS Biosciences have applied for Environmental clearance from SEIAA for Establishment of Active Pharmaceutical Ingredients (API's), intermediates manufacturing unit and R&D facility at Plot No. 14, Gowribidanur Industrial Area Phase-II, Gowribidanur Taluk & Chikkaballapura District, Karnataka

Details of the project are as follows:

Sl no.	Particulars	Information
1	Name of the project proponent:	M/s. PMAARS Biosciences
2	Name & Location of the project:	Plot No. 14, Gowribidanur Industrial Area Phase-II, Gowribidanur Taluk & Chikkaballapura District, Karnataka
3	New /expansion/modification / product mix change:	New
4	Plot Area	8100 Sqm
5	Built Up Area	3044.87Sq.m (Ground coverage area)
6	Project Cost	8 Crores.

7	Component of development:	Establishment of Active Pharmaceutical Ingredients (API's), intermediates manufacturing unit and R&D facility
8	Source of water -operational phase:	KIADB
9	Total Water Requirement (Domestic + Industrial) in KLD	130.9 KLD
	Fresh Water in KLD	94.7 KLD.
	Recycled water in KLD	36.2 KLD
10	Total waste water generation in KLD	72 KLD
11	Total effluents generation in KLD	72 KLD
12	Scheme of disposal of excess treated water if any	Zero discharge
13	ETP Capacity	ZLD system (MEE - 50 KLD, Effluent Treatment Plant - 70 KLD)
14	STP Capacity	-
15	Waste Generation & its Disposal	
	Solid Waste	Store in secured manner and hand over to KSPCB Authorized Vendor
	Hazardous Waste	Store in secured manner and hand over to KSPCB Authorized Vendor
16	Green Belt Coverage - % of total area	<b>2774.53Sq.m (34.25%)</b>
17	EMP	<ul style="list-style-type: none"> <li>a. Pollution control equipment (Scrubber, Cyclone separators) - 35 lakhs</li> <li>b. RWH - 5.0Lakhs</li> <li>c. Green belt development- 10.0lakhs</li> <li>d. Effluent treatment (BTP, MEE, RO system) - 100 lakhs</li> <li>e. Occupational health and safety- 5.0lakhs</li> <li>f. Storm water drains and fire management - 20.0 lakhs</li> <li>g. Environmental lab- 5.0</li> </ul> <p><b>Total - 180.0lakhs</b></p>
18	CER Activities Proposed	<p>Total: Rs. 7 Lakhs</p> <ul style="list-style-type: none"> <li>1) Providing sanitation facility and water purification facility to Government Higher Primary School, Sonnaganahalli</li> <li>2) Planting trees in Kudumalakunte village</li> </ul>

The subject was discussed in the SEAC meeting held on 20<sup>th</sup> July 2021. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The KIADB allotted the land on 08.08.2019. This project was deferred in 260<sup>th</sup> SEAC meeting.

The details of products and capacity as under:

Sl. No	Name of the product	Qty. in TPM	CAS No.	Therapeutic use
1.	Abiraterone Acetate	3	154229-18-2	Anti-androgens
2.	Acyclovir	5	59277-89-3	To decrease pain and speed the healing of sores
3.	Amifostine Trihydrate	2	112901-68-5	Used for reduction in toxicity with ovarian cancer
4.	Anastrozole	5	120511-73-1	To treat breast cancer in women
5.	Apremilast	5	608141-41-9	To treat ulcers in mouth
6.	Aripiprazole	5	129722-12-9	Antipsychotic drug
7.	Azelastine Hydrochloride	5	79307-93-0	Antihistamines
8.	Bendamustine Hydrochloride	1	3543-75-7	To treat certain types of cancer
9.	Betrixaban	8	330942-05-7	To prevent venous thromboembolism
10.	Bicalutamide	3	90357-06-5	Nonsteroidal antiandrogens
11.	Bortezomib	2	179324-69-7	Antineoplastic agents
12.	Bupropion	5	34841-39-9	To treat depression
13.	Canagliflozin	5	842133-18-0	To control high blood sugar
14.	Capecitabine	3	154361-50-9	To treat breast, colon, or rectal cancer
15.	Carboplatin	3	41575-94-4	To treat ovarian cancer
16.	A) Carboprost Tromethamine B) Dinoprost Tromethamine C) Dinoprostone	0.02	58551-69-2	Treat severe bleeding after childbirth (postpartum)
17.	Carvedilol	5	72956-09-3	To treat high blood pressure and heart failure
18.	Cisplatin	3	15663-27-1	To treat a number of cancers

19.	Clopidogrel Bisulfate	5	120202-66-6	To prevent heart attacks and strokes
20.	Colesevelam HCl	5	182815-44-7	To treat cholesterol in the blood
21.	Corey Lactone Diol	4	32233-40-2	To treat pulmonary arterial hypertension (PAH)
22.	Cyclophosphamide	3	50-18-0	Alkylating agents
23.	Dalfampridine	5	504-24-5	To improve nerve conduction
24.	Dapagliflozin	5	461432-26-8	Inhibitor
25.	Darunavir amorphous	5	206361-99-1	To treat HIV
26.	Dasatinib	2	302962-49-8	To treat chronic myeloid leukemia
27.	Dexlansoprazole	5	138530-94-6	Proton pump inhibitors
28.	Diacerein	5	13739-02-1	To treat osteoarthritis
30.	Divalproex Sodium	5	76584-70-8	To treat migraine headaches
31.	Doxofylline	5	69975-86-6	Bronchodilator
32.	Drotaverine HCl	5	985-12-6	Anti-spasmodic medicine
33.	Duloxetine HCl	5	136434-34-9	To treat depression and anxiety
34.	Efinaconazole	5	164650-44-6	To treat fungal toenail infections
35.	Empagliflozin	5	864070-44-0	To control high blood sugar
36.	Emtricitabine	2	143491-57-0	Nucleoside reverse transcriptase inhibitors
37.	Entacapone	5	130929-57-6	To treat parkinson's disease
38.	Eslicarbazepine acetate	5	236395-14-5	Anticonvulsants
39.	Favipiravir	2	259793-96-9	Antiviral used to manage influenza
40.	Fenoprofen Calcium	5	71720-56-4	Nonsteroidal anti-inflammatory drug
41.	Fexofenadine HCl	5	83799-24-0	To relieve allergy symptoms
42.	Folic Acid	5	59-30-3	To treat folic acid deficiency and certain types of anemia
43.	Gabapentin	5	60142-96-3	Anticonvulsant or antiepileptic drug
44.	Gefitinib	1	184475-35-2	To treat lung cancer
45.	Gemcitabine HCl	2	122111-03-9	Antimetabolites
46.	Glimepiride	5	93479-97-1	Lowers blood sugar
47.	Ifosfamide	3	3778-73-2	To treat cancer
48.	Imatinib Mesylate	2	152459-95-5	To treat certain types of cancer

49.	Irinotecan HCl	5	136572-09-3	Topoisomerase inhibitors
50.	Iron Sucrose Complex	5	8047-67-4	To treat iron-deficiency anemia
51.	Lamotrigine	5	84057-84-1	Anticonvulsant or antiepileptic drug
29.	Lapatinib Ditosylate Monohydrate	5	388082-78-8	To treat breast cancer in women
52.	Lansoprazole	5	103577-45-3	Proton pump inhibitors
53.	A) Latanoprost B) Bimatoprost C) Cloprostanol Sodium	0.05	130209-82-4	To treat glaucoma
54.	Letrozole	5	112809-51-5	To treat early breast cancer in women
55.	Lomitapide mesylate	5	182431-12-5	Protein inhibitor
56.	Losartan Potassium	5	124750-99-8	To treat high blood pressure
57.	Lubiprostone	0.010	136790-76-6	To relieve stomach pain
58.	Mesalamine	5	89-57-6	Anti-inflammatory agents
59.	Mifepristone	4	84371-65-3	To cause an abortion during the early part of a pregnancy
60.	Misoprostol 1% HPMC	3	30-3870	To decrease risk of ulcer
61.	Molnupiravir	5	2349386-89-4	Antiviral drug
62.	Montelukast sodium	5	158966-92-8	To prevent bronchospasm
63.	Nabumetone	5	42924-53-8	To relieve pain caused by osteoarthritis
64.	Naproxen	3	22204-53-1	Nonsteroidal anti-inflammatory drug
65.	Nilotinib HCl	2	923288-95-3	To treat blood cancer
66.	Nitazoxanide	5	55981-09-4	Antiprotozoal agents
67.	Omeprazole	5	73590-58-6	To treat certain stomach and esophagus problems
68.	Oxaliplatin	3	63121-00-6	To treat colorectal cancer
69.	Oxpentifylline	10	06-05-6493	To treat muscle pain
70.	Paclitaxel	3	33069-62-4	Used for the treatment of various cancers
71.	Pemetrexed Disodium	2	150399-23-8	Carcinoma, non-small-cell lung, mesothelioma
72.	Pitavastatin Calcium	5	147526-32-7	To improve blood cholesterol
73.	Posaconazole	5	171228-49-2	Azole antifungals

74.	Pranlukast	5	103177-37-3	Treatment of chronic bronchial asthma
75.	Pregabalin	5	148553-50-8	To treat pain caused by nerve damage due to diabetes
76.	Quetiapine fumarate	5	111974-69-7	Anti-psychotic drug
77.	Ramipril	12	87333-19-5	To treat high blood pressure and heart failure
78.	Ranolazine	5	95635-56-6	Anti-anginals
79.	Rosuvastatin Calcium	5	147098-20-2	To treat cholesterol
80.	Sertaconazole Nitrate	5	99592-39-9	Imidazoles
81.	Sevelamer	5	52757-95-6	Phosphate binders
82.	Sodium Ferric Gluconate	5	34089-81-1	To treat iron-deficiency anemia
83.	Sorafenib Tosylate	2	475207-59-1	Carcinoma, hepatocellular, carcinoma, renal cell
84.	Sparfloxacin	5	110871-86-8	Fluoroquinolone antibiotic
85.	Tafluprost	0.010	209860-87-7	To treat high pressure inside the eye due to glaucoma
86.	Tamsulosin HCl	5	106133-20-4	To treat the symptoms of an enlarged prostate
87.	Tapentadol Hydrochloride	5	175591-09-0	Opioid analgesics
88.	Telaprevir	5	402957-28-2	To treat chronic hepatitis c
89.	Temozolomide	5	85622-93-1	Alkylating agents
90.	Terbinafine Hydrochloride	5	91161-71-6	To treat a skin condition known as pityriasis
91.	Thiabendazole	5	148-79-8	To treat infections caused by worms
92.	Thiamine HCl (Vitamin B)	5	67-03-8	To use carbohydrates for energy
93.	Ticagrelor	3	274693-27-5	To lower risk of heart attack, stroke
94.	Tramadol HCl	5	27203-92-5	To relieve moderate severe pain
95.	Travoprost	0.010	157283-68-6	To treat glaucoma
96.	Treprostinil	0.01	81846-19-7	To treat high blood pressure in the lungs
97.	Valganciclovir HCl	10	175865-59-5	Helps control cmv retinitis and decrease the risk of blindness

98.	Vonoprazan Fumarate	5	1260141-27-2	Treatment of gastroduodenal ulcer
99.	Zoledronic Acid	5	118072-93-8	Used with cancer chemotherapy to treat bone problems
100	Zolmitriptan	3	139264-17-8	To treat migraine headaches
	Pilot and R&D products	0.2		
	Worst case (4 products)	40 TPM		

The proponent informed that from the above list of products, any 4 products along with R&D, laboratory and pilot products will be manufactured at a given point of time.

#### LIST OF PROPOSED BY-PRODUCTS

S.No	Name of the Product	Name of By-product	Qty in kgs/day
1	Capecitabine	Pyridine hydrochloride	35.4
2	Dasatinib	Sodium chloride	11.6
3	Fenoprofen Calcium	Manganese dioxide	121.7
		Potassium sulfate	122.5
4	Losartan Potassium	Succinimide	41.5
		Trityl alcohol	104.8
5	Montelukast Sodium	Alpha pinene	163.2
6	Pregabalin	Ammonium chloride	625.0
7	Ramipril	Triethyl amine HCl	516.0

The total water requirement is 130.9KLD, out of which fresh water requirement is 94.7 KLD and will be met from KIADB. Effluent of 72.0 KLD is generated. Industrial effluents will be treated through Zero Liquid Discharge (ZLD) System of 120 KLD (BTP of capacity 70 KLD and MEE of capacity 50 KLD). Domestic effluent of 1.9 KLD will be passed to Septic tank followed by multi-grade filter.

Power requirement of project will be 500 KVA and will be met from BESCO. The unit is proposed to install 1 X 500 KVA DG Set, Stack height of 5 m will be provided as per CPCB norms. The unit has proposed to install 1 X 5 TPH Briquettes/Coal fired boiler with stack of height 30 m. Multi Cyclone separator will be installed for the boiler for controlling the particulate emissions(within statutory limit of 115 mg/ Nm<sup>3</sup>).

#### Details of process emissions generation and its management.

S. No	Name of the Gas	Qty in Kg/Day	Treatment Method	Disposal Method after treatment
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1	Hydrogen chloride	403.2	Scrubbed by using water media	Generated Dil. HCl will be reused within the industry
2	Ammonia	159.5		Generated NH <sub>4</sub> OH will be reused within the industry
3	Sulfur dioxide	569.9	Scrubbed by using C.S. Lye solution	Residues from the reaction will be sent to TSDF
4	Hydrogen Bromide	444.2		
5	Hydrogen Fluoride	8.32		
6	Hydrogen Iodide	20.0		
7	Methyl Chloride	61.8		
8	Hydrogen Sulphide	90.6		
9	Pentane	9.2	Dispersed into atmosphere	-
10	Oxygen	161.6		
11	Carbon dioxide	1230.6		
12	Propane	25.0		
13	Ethane	58.0		
14	Nitrogen	56.9		
15	Hydrogen	160.8	Let into atmosphere through flame arrestor	-

**Details of Solid waste & Hazardous waste generation and its management.**

Sl. No	Category of the HW	Name of the Hazardous Waste	Quantity	Disposal Method
Hazardous waste generation from plant				
	5.1	Waste oils & Grease/ Used Mineral oil	0.2 KL/ Annum	Agencies authorized by KSPCB
	5.2	Oil-Soaked Cotton	2 Kgs/month	KSPCB authorized Vendor
	20.3	Distillation Residue	1925 kgs/ day	Store in secured manner and hand over to authorized cement industry for Co-processing
	28.1	Process Residues & Waste	4700 kgs/ day	Store in secured manner and hand over to authorized cement industry for Co-processing/TSDF



	28.2	Spent Catalyst	360 kg/day	Store in secured manner and hand over to authorized recycler
	28.3	Spent Carbon	1525 Kgs/Day	Store in secured manner and hand over to authorized cement industry for Co-processing
	28.4	Off Specification Products	1 TPM	Store in secured manner and hand over to authorized cement industry for Co-processing/TSDF
	28.5	Date expired products	500 Kgs/Month	Store in secured manner and hand over to authorized cement industry for Co-processing/TSDF
	33.1	Detoxified-Container & Container Liners of Hazardous Chemicals and Wastes	250 No's/Month	After complete detoxification, shall be disposed to the outside agencies.
	33.2	Contaminated cotton rags or other cleaning materials	25 Kgs/month	Store in secured manner and hand over to KSPCB Authorized Vendor
	35.3	Chemical sludge from waste water treatment	40 kgs/day	Shall be stored in secured manner & handed over to TSDF.
	A1160	Used Lead Acid batteries	2 No's/Annum	Returned back to dealer/Supplier
<b>Other &amp; Miscellaneous Solid Wastes</b>				
	--	Coal ash	1400 kgs/day	Sent to Brick Manufacturers
	--	Briquette ash	3640 kgs/day	Sent to fertilizer industries
	--	Residues from Scrubber	966 kgs/day	Shall be stored in secured manner & handed over to TSDF.
	--	Used PPE	5 Kgs/Month	Sent to authorized vendor
	--	E- Waste	150 Kgs/Annum	Authorized recyclers
	--	Plastic Waste	200 Kgs/Annum	Authorized recyclers
	--	Metal Scrap	3 TPA	Sale to outside agencies/recyclers

-	Used Filters (HEPA filters, Oil Filters etc.)	25 Nos./year	Sent to TSDF
-	Used / Discarded RO Membranes	0.2 TPA	Sent to TSDF

**Pollution load information:**

Kg per day													
EFFLUENT WATER								SOLID WASTE					
Water in put	Water in Effluent	Organics in effluents	TDS	COD	HTDS	LTDS	Total Effluent	Organic	In Organic	Spent carbon	Spent Catalyst	Process Emission	Distillation residue
34285.3	40243.5	2296.2	6736.5	3340.5	35693.3	7154.0	42847.3	2091.6	2610.4	1525.0	359.6	1438.6	1925

**HAZARDOUS SOLID WASTE DETAILS**

Organic solid Waste	Inorganic solid Waste	Spent Carbon	Distillation Residue
Kg/day	Kg/day	Kg/day	Kg/day
2091.6	2610.4	1525.0	1925

**EMISSION DETAILS**

Kg/day														
HCl	NH3	SO2	HBr	HF	HI	CH <sub>3</sub> Cl	H <sub>2</sub> S	Pentane	O <sub>2</sub>	CO <sub>2</sub>	Propane	Ethane	N <sub>2</sub>	H <sub>2</sub>
403.2	159.5	569.9	444.2	8.32	20.0	61.8	90.6	9.2	161.6	1230.6	25.0	58.0	56.9	160.8

The committee after discussion decided to recommend the proposal to SEIAA for issue of EC

*The Authority perused the proposal and took note of the recommendation of SEAC.*

***The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to submission of the following information:***

- 1) *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
- 2) *A time bound action plan for implementation of proposed CER activities as a part of EMP.*
- 3) *Note on type of catalyst used along with its quantity and disposal shall be submitted.*

**201.1.2. Bulk Drugs and Intermediates Manufacturing Unit and R&D Facility Project at Vasanthanarasapura KIADB Industrial Area Phase-2, Tumakuru Taluk & District by M/s. Sarshika Pharmachem LLP(SEIAA 29 IND 2021)**

M/s. SARSHIKA PHARMACHEM LLP have applied for Environmental clearance from SEIAA for Establishment of Active Pharmaceutical Ingredients (API's), intermediates manufacturing unit and R&D facility at Plot No. 694, Vasanthanarasapura KIADB Industrial Area Phase - 2, Tumakuru District, Karnataka.

Details of the project are as follows:

Sl no.	Particulars	Information
1	Name of the project proponent:	M/s. SARSHIKA PHARMACHEM LLP
2	Name & Location of the project:	Plot No. 694, Vasanthanarasapura KIADB Industrial Area Phase - 2, Tumakuru District, Karnataka - 572138
3	New /expansion/modification / product mix change:	New
4	Plot Area	4000 Sqm
5	Built Up Area	1151.6Sq.m (Ground coverage area)
6	Project Cost	15.4 Crores.
7	Component of development:	Establishment of Active Pharmaceutical Ingredients (API's), intermediates manufacturing unit and R&D facility
8	Source of water -operational phase:	KIADB

9	Total Water Requirement (Domestic + Industrial) in KLD	51.8 KLD
	Fresh Water in KLD	36.8 KLD.
	Recycled water in KLD	15 KLD
10	Total wastewater generation in KLD	38.9 KLD
11	Total effluents generation in KLD	38.9 KLD
12	Scheme of disposal of excess treated water if any	NA
13	ETP Capacity	CETP or ZLD system (MEE - 20 KLD, Effluent Treatment Plant - 30 KLD)
14	STP Capacity	-
15	Waste Generation & its Disposal	
	Solid Waste	Store in secured manner and hand over to KSPCB Authorized Vendor
	Hazardous Waste	Store in secured manner and hand over to KSPCB Authorized Vendor
16	Green Belt Coverage - % of total area	<b>1424.4Sq.m (35.6 %)</b>
17	EMP	<ul style="list-style-type: none"> <li>h. Pollution control equipment (Scrubber, Cyclone separators) - 35 lakhs</li> <li>i. RWH - 20.0Lakhs</li> <li>j. Green belt development-5.0lakhs</li> <li>k. Effluent treatment (BTP, MEE, RO system) - 120 lakhs</li> <li>l. Occupational health and safety- 15.0lakhs</li> <li>m. Storm water drains and fire management - 30.0 lakhs</li> <li>n. Environmental lab-10.0</li> </ul> <p style="text-align: center;"><b>Total - 235.0lakhs</b></p>
18	CER Activities Proposed	<p>Total: Rs. 2 Lakhs</p> <p>3) Providing smart class (Desktop - 1 No., Projector with screen - 1 No.)to Government School, Nelahalu</p>

The subject was discussed in the SEAC meeting held on 20<sup>th</sup> July 2021. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The KIADB allotted the land on 24.06.2021. This project proposal was deferred during 260<sup>th</sup> SEAC meeting, due to the absence of project proponent.

**The details of products and capacity as under:**

Sl. No	Product Name	Production Capacity in TPM	Therapeutic Usage
1	Alpha Lipoic acid	10	Antioxidant
2	3 cyano 2 hydroxypropyl TMA HCl	15	Intermediate for production of other drugs
3	L- Ornithine L Aspartate	5	To reduce levels of ammonia in the blood
4	L- Carnitine Base	15	To increase appetite
5	L- Carnitine fumarate	2	To help the body produce energy
6	L- Carnitine HCl	1	To increase appetite
7	L- Carnitine -L- Tartarate	20	To increase appetite
8	L- Ornithine HCL	4	Used for weight loss, wound healing, and to increase sleep quality
9	N-Acetyl-L- Carnitine HCl	1	To improve memory and mental function in older people
10	Beta carotene	2	Used for an inherited disorder marked by sensitivity to light
11	Nebivolol	0.05	To treat high blood pressure
12	Glucosamine Hcl	10	Used for osteoarthritis
	Glucosamine Sodium Sulphate	5	
	Glucosamine Potassium	5	
13	Gabapentin	5	Anticonvulsants
14	Minoxidil	1	Antihypertensives
	Minoxidil Sulphate	1	
15	Topiramate	2	Anticonvulsants
	Research & Development	0.5	
	<b>TOTAL ( 3 products)</b>	<b>55</b>	

The proponent informed that from the above list of products, any 3 products will be manufactured at a given point of time.

**LIST OF BY-PRODUCTS**

S.No	Name of the Product	Name of the By Product	Quantity in Kgs/Day

1	Glucosamine HCl	Poly glucosamine compound	325.3
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The total water requirement is 51.8KLD, out of which fresh water requirement is 36.8 KLD and will be met from KIADB. Generated effluent of 38.9 KLD will be treated through CETP/ZLD (MEE of 20 KLD, ETP of 30 KLD).

Power requirement of project will be 250 KVA and will be met from BESCOM. The unit is proposed to install 1 X 250 KVA DG Set, Stack height of 4 m will be provided as per CPCB norms. The unit has proposed to install 1,00,000 K Cal/Hr HSD/LDO fired Thermic fluid heater with stack height of 15 m and 1 X 2 TPH PNG/HSD/LDO fired boiler with stack of height 30 m. Multi Cyclone separator will be installed for the boiler for controlling the particulate emissions (within statutory limit of 115 mg/ Nm<sup>3</sup>).

#### Details of Process emissions generation and its management.

S. No	Name of the Gas	Quantity in Kg/Day	Treatment Method
1	Hydrogen Chloride	0.05	Scrubbed using water media
2	Carbon Dioxide	46.67	Dispersed into the atmosphere

#### Details of Solid waste & Hazardous waste generation and its management.

S. No	Category of the HW	Name of the Hazardous Waste	Quantity	Disposal Method
1.	5.1	Waste oils & Grease/ Used Mineral oil	100 L/Annum	Agencies authorized by KSPCB
2.	5.2	Oil Soaked Cotton	2 Kgs/month	KSPCB authorized Vendor
3.	28.1	Process residue and waste	893.9 Kgs/day	Store in secured manner and hand over to authorized cement industry for Co-processing/TSDF
4.	28.3	Spent Carbon	278.3 Kgs/Day	Store in secured manner and hand over to authorized cement industry for Co-processing
5.	28.4	Off Specification Products	0.5 TPM	Store in secured manner and hand over to authorized cement industry for Co-processing
6.	28.5	Date expired products	100 Kgs/Month	Store in secured manner and hand over to authorized

				cement industry for Co-processing
7.	33.1	Detoxified-Container & Container Liners of Hazardous Chemicals and Wastes	200 No's/Month	After complete detoxification, shall be disposed to the outside agencies.
8.	33.2	Contaminated cotton rags or other cleaning materials	2 Kgs/month	Store in secured manner and hand over to KSPCB Authorized Vendor
9.	35.3	MEE salts & ETP Sludge	750 kgs/day	Sent to TSDF
10.	A1160	Used Lead Acid batteries	2 No's/Annum	Returned back to dealer/ Supplier

**Pollution load information:**

Kg per day						
EFFLUENT WATER		SOLID WASTE				
Water input	Total Effluent	Organic	In Organic	Spent carbon	Process Emission	Distillation residue
14230	15590	431.92	462	278.33	46.72	38.9

**HAZARDOUS SOLID WASTE DETAILS**

Organic solid Waste	Inorganic solid waste	Spent Carbon	Distillation Residue
Kg/day	Kg/day	Kg/day	Kg/day
431.9	462	278.3	38.9

**EMISSION DETAILS**

Kg/day	
HCl	Carbon Dioxide
0.05	46.67

The committee after discussion decided to recommend the proposal to SEIAA for issue of EC

*The Authority perused the proposal and took note of the recommendation of SEAC.*

***The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to submission of the following information:***

- 1) *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
- 2) *A time bound action plan for implementation of proposed CER activities as a part of EMP.*

**201.1.3. Establishment of Bulk Intermediates & Manufacturing Unit Project at Vasanthanarasapura Industrial Area, 2nd Phase, Nagenahalli, Kora Hobli, Tumakuru Taluk & District by M/s. SQUARE PLUS LIFE SCIENCES PVT. LTD (SEIAA 22 IND 2021)**

M/S. Square Plus Life Sciences Pvt Ltd,. have applied for Environmental clearance from SEIAA for Facility for manufacture of Bulk Drugs and intermediates at Plot no. 66, KIADB, Vasanthanarasapura Industrial area, 2nd Phase, Nagenahalli, Kora Hobli, Tumukuru Taluk & District, Karnataka.

Details of the project are as follows:

<b>Sl. No</b>	<b>Particulars</b>	<b>Information</b>
1	Name of the project proponent	M/S. Square Plus Life Sciences Pvt Ltd
2	Name & Location of the project	M/S. Square Plus Life Sciences Pvt Ltd Plot no. 66, KIADB, Vasanthanarasapura Industrial area, 2nd Phase, Nagenahalli, Kora Hobli, Tumukuru Taluk & District, Karnataka.
3	New /expansion/modification / product mix change	New
4	Plot area -Sqm	20205 Sq. meter
5	Built up area -sqm	10440Sq. meter
6	Project cost -in crores	Rs. 23.18 Crores
7	Component of development	Facility for manufacture of Bulk Drugs and intermediates
8	project cost-Rs in Crores	Rs. 23.18 Crores
9	Water (operation phase)	
A	Source of water	Ground Water
B	Total Requirement	163.20 KLD



	(Domestic & Industrial)-KLD	
C	Fresh	100.30 KLD
D	Recycled	62.90 KLD
E	Total Waste water generation -KLD	62.90 KLD
F	scheme of disposal of excess treated water if any	No excess treated water
10	ETP Capacity	ETP 70 KLD, STRIPPER 03 KLD, MEE 50 KLD, ERO-50 KLD;
11	STP Capacity	5 KLD
12	Waste generation and its disposal - Kg per day	62.90 KLD
A	solid waste	Solid Waste: Office waste like paper etc. is expected. Plastic drums and bags will be sold to KSPCB authorized recycler.
B	Hazardous waste	Store in secured manner and hand over to KSPCB Authorized Vendor
13	Green belt coverage-% of total area	<b>6735Sq. meter; 33.33%</b>
14	CER activities proposed	46.4lakhs- Primary health care, green belt, drinking water/sanitation, smart class room in nearby school.

The subject was discussed in the SEAC meeting held on **20<sup>th</sup> July 2021**. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

This proposal was appraised during 260<sup>th</sup> SEAC meeting and reconsidered for want of the following information.

- a) Detailed EMP budget incorporating rain water harvesting details and CER activities in specific terms. It was suggested by committee to provide ambulance and Oxygen Concentrators to local PHC/Health Department under CER activities.
- b) Mitigation measures to reduce the quantity of sulphur dioxide emissions.
- c) Soil test data to be verified with the lab and resubmitted
- d) Details of hazardous waste management.
- e) Details of solvent storage and solvent recovery.
- f) Details of solid, liquid & gaseous pollution load based on the products manufactured at a given point of time, taking into consideration the worst-case scenario.
- g) Details of revised tree species including local, moderate sized flowering and fruit bearing plants

- h) Therapeutic use of the products.
- i) List of raw materials to be submitted

The proponent submitted replies on 04.06.2021. The land is allotted to the proponent by KIADB on 21.12,2015.

The details of products and capacity as under:

Sl. No	Product Name	Production Capacity in TPM	Therapeutic Usage
1	2,4-DAP	10	Intermediate for Minoxidlie
2	2-ADPS	10	Quetiapine intermediate -- anti-psychotic drug
3	Benfothiamine	10	Vitamin B1 dietary supplement
4	Clotrimazole	0.2	Used to treat skin infections
5	Everolimus	0.002	Treat breast cancer, pancreatic cancer, lung cancer
6	Eribulin Mesylate	0.002	Used to treat breast cancer
7	Hydroxychloroquine	5	Used to treat lupus erythematosus and rheumatoid arthritis. It's also used to prevent and treat malaria
8	Dextromethorphan	0.2	Cough suppressant.
9	Ondansetron HCL	5	To prevent nausea and vomiting
10	Remdesivir	2	Anti-viral
11	Valganciclovir	1	Anti-viral
	Research & Development	1	
	<b>TOTAL ( 3 products)</b>	<b>44.404</b>	

The proponent informed that from the above list of products, any 4 products will be manufactured at a given point of time. The total water requirement is 163.20 KLD, out of which fresh water requirement is 100.30KLD and will be met from KIADB. Generated effluent of 62.90 KLD will be treated through CETP/ZLD (MEE of 50 KLD, STRIPPER 03 KLD, ETP OF 70 KLD, ERO of 50 KLD).

Power requirement of project will be 500 KVA and will be met from BESCO. The unit is proposed to install 1 X 500 KVA DG Set, Stack height of 12 m will be provided as per CPCB norms. The unit has proposed to install 2,00,000 Cal HSD fired Thermic fluid heater with stack height of 25 m and 1 X 3 TPH Coal fired boiler with stack of height 30 m. Bag Filter will be installed for the boiler for controlling the particulate emissions(within statutory limit of 115 mg/nm<sup>3</sup>).

**Details of Process emissions generation and its management.**

S. No	Name of the Gas	Quantity in Kg/Day	Treatment Method
1	Hydrogen Chloride	1.35	Scrubbed using water media
2	Carbon Dioxide	0.5	Dispersed into the atmosphere

**Details of Solid waste & Hazardous waste generation and its management.**

Sl. No	Category of the HW	Name of the Hazardous Waste	Quantity in TPA	Disposal Method
1.	36.2	Spent Carbon, Ceilite, Hyflow and Charcoal	1.825	Collection, storage, transportation, and incineration at Cement plants
2.	28.2	Catalyst	1.095	Collection, Storage, returned to supplier for reprocess.
3.	28.2	Process residue	59.568	Collection, storage, transportation, and incineration at incinerator/Cement plants
4.	36.1	Organic Residue	199.108	Collection, storage, transportation and Coprocessing at Cement plants
5.	36.1	Spent Solvent	494.028	Collection, storage, transportation and Coprocessing at Cement plants
6.	21.2	Chemical containing Sludge from cleaning of Storage Tank	2	Collection, Storage, transportation to reprocesses to KSPCB authorized re-processor/ end users
7.	5.1	Used Oil	0.3	Collection storage, transportation and sold to MOEF/KSPCB authorized re-processor.
8.	35.3	ETP Sludge	7.3	Collection, storage, transportation, disposal by sending to land filling site of TSDF
9.	33.1	Empty Drums of Chemical	1200	Collection, Storage, Decontamination or, Sale to

		containing Traces		KSPCB approved facility.
10.	-	Battery	10	Replacement by manufacturer.
11.	37.3	MEE Salt - inorganic	657	Collection, Storage, transportation and send to TSDF.
12.	37.3	MEE - Organic	365	Collection, Storage, transportation and send to Co processing at cement plant.
13.	--	Fly ash	401	Collection, Storage, transportation and send to brick manufacturers.

Pollution load details:

Kg per day						
EFFLUENT WATER		SOLID WASTE				
Water input	Total Effluent	Organic	In Organic	Spent carbon	Process Emission	Distillation residue
21453	27691.33	363.5	1800	5	1.85	545.50

**HAZARDOUS SOLID WASTE DETAILS**

Organic solid waste	Inorganic solid waste	Spent Carbon	Distillation Residue
Kg/day	Kg/day	Kg/day	Kg/day
363.5	1800	5	545.50

**EMISSION DETAILS**

Kg/day	
HCl	Carbon Dioxide
1.35	0.5

The committee after discussion decided to recommend the proposal to SEIAA for issue of EC

*The Authority perused the proposal and took note of the recommendation of SEAC.*

***The Authority after discussion decided to reconsider the proposal for further consideration after submission of the following information.***

- 1) *The proposal for ETP submitted is having sludge drying bed for handling ETP sludge, which may not be technically feasible. Hence the proponent is required to propose an alternative system for handling ETP Sludge.*
- 2) *Detailed proposal for MEE and ATFD along with stage wise concentration in TDS levels.*
- 3) *In the proposal the proponent has proposed to hand over effluent to CETP for treatment and disposal. The proponents have also mentioned elsewhere in the report that the effluents treated in MEE and ATFD. Therefore, this specific intent of effluents treatment either with MEE and ATFD or out sourcing the effluent to CETP may be explicitly clarified.*
- 4) *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
- 5) *A time bound action plan for implementation of proposed CER activities as a part of EMP.*

**Construction Projects:**

**201.1.4. Multi-Speciality Hospital Project at KIADB Industrial Area Vemagal, Kasaba Hobli, Kolar Taluk, Kolar District by M/s. SAI ASHRAYA TRUST (R) (SEIAA 71 CON 2021)**

M/s. Sai Aashraya trust, have proposed for Development of Super Specialty Hospital project on a plot area of 20,234.97 Sqmt. The total built up area is 33,191.57 sqm. The proposed project consists of 4 Blocks. Block -A having B +G+3 UF, Block -B having G+3 UF, Block -C having G+8 UF and Block -D having G+8 UF. Total water consumption is 265 KLD (Fresh water + Recycled water). The total wastewater generated is 238 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 240 KLD. The project cost is Rs. 120 Crores.

Details of the project are as follows:

1.Name of the project proponent	M/s. Sai Aashraya trusts, "Sai Sannidhi", P-192, 8th Main, 11th Cross, Sector-10, Jeevan Bhima Nagar, Bangalore - 560075
2.Name & Location of the project	Development of Super Specialty Hospital project at

	Plot No. Commercial C1-D, KIADB Industrial Area Vemagal, Kasaba Hobli, Kolar Taluk, Kolar District				
3.Type of development					
a) Residential/ Apartment/ villas/Row houses/ office/IT/ITES/Mall/Hotel/Hospital /others	Charitable Hospital building				
b) Residential township/area development projects	NA				
4.New /expansion/modification /renewal	New				
5.Water bodies /Nallas at the vicinity of project site	NA				
6.Plot area -Sqm	20,234.97 Sqmt				
7.Built up area -Sqm	33,191.57 sqm				
8.Building configuration					
•No of blocks/Towers	Block -A: B +G+3 UF				
•No of basements & Upper floors	Block -B: G+3 UF Block -C: G+8 UF Block -D: G+8 UF				
9. Project cost – Rs in crores	Rs. 120 Crores				
10. Ground coverage area	6,179.81 Sqm (30.54%)				
11. Landscape area	2,024.04 sqm (10.0%)				
12. FAR	SI No	Type of Bag	Description of waste	Qty. in Kg/day	Type of disposal
• Permissible	1	Black	Cytotoxic drug and chemical waste	20	Authorized vendors for further disposal
• Proposed	2	Red	Soild waste viz., Infected Dressings and POP Casts	328	Authorized vendors for further disposal
	3	Yellow	Anatomical waste such as Placenta, Pathological waste and body parts	491	Authorized vendors for further disposal
	4	Blue	Infected Plastics viz., Syringes, Gloves & Plastic waste	20	Authorized Recycler for further disposal
	5	White	Sharps like needles and cut glasses	10	Authorized vendors for further disposal

	2.25 1.48	
13. Disposal of demolition waste and /or excavated earth	NA	
14. Water-operational phase		
• Source	KIADB	
• Quantity-KLD	265	
• Waste water generation-KLD	238	
15. STP capacity-KLD	240	
16. Scheme of disposal of excess treated water	Excess treated water will be used for HVAC	
17. Waste generated -in kg/day	1055 kg/ day	
• Bio degradable waste and disposal	546 kg/day converted in to organic manure and used for garden	
• Non-Bio degradable waste and disposal	491 kg Yellow bag waste and 328 kg of red bag waste of inorganic waste will be given to authorized vendors	
• Hazardous waste and disposal	150-300 l given to PCB authorized recycler	
18. Rain Water Harvesting	A roof water collection tank of size 355 m <sup>3</sup> will be provided. recharge pits of 14 Nos. provided around the periphery of the site	
19. CER activities proposed	NA	
20. EMP (Construction & Operation)	During construction	Capital Investment - 15.0 Lakh
		Construction - 40.5 Lakh/annum
	During operation	Capital investment - 163.0 Lakh
		Operation Investment - 40.0 Lakh/annum

The subject was discussed in the SEAC meeting held on 20<sup>th</sup> July 2021. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

This is a new proposal for construction of 220beds Multi-Specialty Hospital having total BUA of 33,191.57Sq.m. The proponent informed that the proposed project is located in KIADB Industrial area, which was allotted by KIADB on 06/04/2021 for Free Super Specialty Medicare.

The proponent affirmed that as per KIADB guidelines, area of 2024.04Sqmt (10%) will be left for green belt development and he has made provision for planting 250Nos of trees. Proponent informed that 355Cum capacity rain water storage tank and 14Nos of recharge pits will be provided for RWH in the site area and assured to use maximum roof area for solar power generation and to use excavated earth within the plot area.

The project proponent informed that the permissible FAR is 2.25 whereas proposed project is having FAR 1.4 and also made provision for 221No's of Car parking. Proponent also informed the Committee that Bio-Medical and radioactive waste generated will be handed over to KSPCB authorized vendors for safe disposal. The Committee informed the proponent to submit the estimated quantity of Bio Medical waste and radioactive waste generated during operation phase and details of its disposal to SEIAA.

Further the proponent informed that water requirement during operation phase will be met from KIADB.

The committee decided to recommend the proposal to SEIAA for issue of EC with the condition that the estimated quantity of Bio Medical waste and radioactive waste that will be generated during operation phase and details of its disposal will be submitted to SEIAA.

*The Authority perused the proposal and took note of the recommendation of SEAC.*

***The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to submission of the following information:***

- 1. The proponent shall give an undertaking on handling of Bio-Medical wastes and Radio Active wastes.*
- 2. Bio- Medical liquid waste treatment shall be provided before taking the pretreated biomedical liquid wastes in to STP with appropriate disinfectant system.*
- 3. The project proponent shall furnish Notorised undertaking that he shall maintain Buffer zone as per bylaw and compliance to provisions of CDP.*
- 4. The project proponent shall leave the buffer from the lake /drain as per the RCDP 2015 as directed by supreme court order CIVIL APPEAL NO. 5016 OF 2016 dated 5th March 2019.*
- 5. STP should be redesigned for Biological Nitrogen Removal. / BNR unit for STP along with design calculation/ budgetary allocation for the same should be submitted.*
- 6. If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the*



*proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*

7. *A time bound action plan for implementation of proposed CER activities as a part of EMP.*

**201.1.5. Development of Multi Story Bengaluru Housing Program Project at Baiyappanahalli Village, Bengaluru North Taluk, Bengaluru Urban District by M/s. Rajiv Gandhi Housing Corporation Ltd (SEIAA 72 CON 2021)**

M/s. Rajiv Gandhi Housing Corporation Limited have proposed for development of “1 Lakh Multi Story Bengaluru Housing Program” Project on a plot area of 37,022.92 Sqm (9A 6G). The total built up area is 99,136.88 Sqm. The proposed project consists of Residential flats consist with 1820 units in 8 blocks with Building configuration, Block – A, B & C consists of G+14UF+TF and Block –D, E, F G &H consists G+13UF+TF. Total water consumption is 9102 KLD (Fresh water + Recycled water). The total wastewater generated is 728 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 800 KLD. The project cost is Rs. 180 Crores.

Details of the project are as follows:

1.Name of the project proponent	Sannachittaiah Chief Engineer M/s. Rajiv Gandhi Housing Corporation Limited RGHCL, 8 <sup>th</sup> Floor, E&F Block, K.G. Road, Cauvery Bhavan, Bengaluru - 560009
2.Name & Location of the project	Proposed development of “1 Lakh Multi Story Bengaluru Housing Program” Survey No. 80 of Baiyappanahalli Village, Jala Hobli, Bengaluru North Additional (Yelahanka) Taluk, Bengaluru Urban District, Karnataka -560064
3.Type of development	
a) Residential/ Apartment/ villas/ Row houses/ office/ IT/ ITES/ Mall/ Hotel/ Hospital / others	Residential Apartment project with 1820 units
b) Residential township/ area development projects	NA
4.New / expansion/ modification / renewal	New
5.Water bodies / Nallas at the vicinity of project site	NA
6.Plot area -Sqm	37,022.92 Sqm (9A 6G)

7. Built up area -Sqm	99,136.88 Sqm
8. Building configuration	
• No of blocks/Towers	Residential flats consist of 8 blocks with Building configuration:
• No of basements & Upper floors	Block -A, B & C - G+14UF+TF - 44.95m. Block -D, E, F G &H -G+13UF+TF - 42.3m.
9. Project cost – Rs in crores	Rs. 180 Crores
10. Ground coverage area	7,013.4 Sqm (18.94%)
11. Disposal of demolition waste and /or excavated earth	Total quantity of Excavated earth (in cubic meter) - 7000 For back filling = 3500 Cum For Landscape=2450 Cum For Internal Road making = 1050 Cum
12. FAR	
• Permissible	5
• Proposed	2.44
13. Water-operational phase	
• Source	Gram Panchayath
• Quantity-KLD	9102
• Waste water generation-KLD	728
14. STP capacity-KLD	800
15. Scheme of disposal of excess treated water	Available treated water - 691 KLD (95% of sewage water) For flushing - 328 KLD For Miscellaneous (Laundry, Floor washing, Vessels)- 182 KLD For gardening - 181 KLD
16. Waste generated -in kg/day	3276 kg/day
• Bio degradable waste and disposal	1966 kg/day converted in to organic manure and used for garden
• Non-Bio degradable waste and disposal	1310 kg/day given to PCB authorized recycler
• Hazardous waste and disposal	100-200 lts/yr of waste oil given to PCB authorized recycler
17. CER activities proposed	As Rajiv Gandhi housing corporation Limited is a government project the CER activities and its budget provision with respect to the proposed project are not worked out.
18. EMP	During Construction: Capital investment - 7 lakhs Operation investment - 2.5 lakhs/ annum During Operation: Capital investment - 637 lakhs

Operation Investment - 18 lakhs/ annum
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The subject was discussed in the SEAC meeting held on 20<sup>th</sup> July 2021. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proponent informed that as per village map there is Bandidari passing through the site area, for which proponent informed that the area as per village map left for Bandidari will be unutilized and left for public use in the proposed project area. However, the same is not reflected in the conceptual plan for which the project proponent said that he would be submitting the revised conceptual plan to SEIAA before issue of EC. The proponent also informed the Committee that there are no nalas or water bodies within the project area or in the vicinity of project area that attracts buffer. The committee observed that there are quarry pits all around the proposed project site and suggested that suitable fencing should be carried out by the proponent. The proponent agreed to submit undertaking in this regard to SEIAA.

The proponent affirmed that area of 8515.27Sqmt (23%) will be left for green belt development and that provision has been made for planting 450Nos of trees. Proponent informed that one No. of 400Cum capacity rain water storage tank and 34Nos of recharge pits will be provided for RWH in the site area and assured to use maximum roof area for solar power generation and to use excavated earth within the plot area.

The project proponent informed that the permissible FAR is 5.00 where in proposed project is having an FAR 2.44and also made provision for 506No's of Car parking as per their guidelines. Proponent to provide proper drainage facility and excess water if any to be guided up to the main drain.

Further the proponent informed that water requirement during operation phase will be met from Gram Panchayath and proponent agreed to submit consent letter from Gram Panchayath for water before issue of EC to SEIAA.

The committee decided to recommend the proposal to SEIAA for issue of EC with the condition that consent letter from Gram Panchayath for supply of water in operational phase and revised conceptual plan to SEIAA.

*The Authority perused the proposal and took note of the recommendation of SEAC.*

***The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to submission of the following information:***

1. *The project proponent shall furnish Notorised undertaking that he shall maintain Buffer zone as per bylaw and compliance to provisions of CDP.*
2. *The project proponent shall leave the buffer from the lake /drain as per the RCDP 2015 as directed by supreme court order CIVIL APPEAL NO. 5016 OF 2016 dated 5th March 2019.*
3. *STP should be redesigned for Biological Nitrogen Removal. / BNR unit for STP along with design calculation/ budgetary allocation for the same should be submitted.*
4. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
5. *A time bound action plan for implementation of proposed CER activities as a part of EMP.*

**Additional Condition:**

1. *Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.*
2. *Since there is an adjacent quarry, adequate safety measures (7 feet boundary wall) should be constructed for sake of safety of occupants.*
3. *The project proponent shall proceed with Occupancy Certificate only after ensuring closure of the adjoining quarry.*

**201.1.6. Development of Multi Story Bengaluru Housing Program Project at Kukkanahalli Village, Dasanapura Hobli, Bengaluru North Taluk, Bengaluru Urban District by M/s. Rajiv Gandhi Housing Corporation Ltd(SEIAA 73 CON 2021)**

M/s. Rajiv Gandhi Housing Corporation Limited have proposed for construction of development of “1 Lakh Multi Story Bengaluru Housing Program” Project on a plot area of 24866.44 Sqm (6A 6G). The total built up area is 21224.16 Sqm. The proposed project consists of Residential Apartment project with 504 units having building configuration of G+3UF+TF. Total water consumption is 252 KLD (Fresh water + Recycled water). The total wastewater generated is 202 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 220 KLD. The project cost is Rs. 41.55 Crores.

Details of the project are as follows:

1.Name of the project proponent	<b>Sannachittaiah Chief Engineer M/s. Rajiv Gandhi Housing Corporation</b>
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	<b>Limited</b> RGHCL, 8 <sup>th</sup> Floor, E&F Block, K.G. Road, Cauvery Bhavan, Bengaluru - 560009
2.Name & Location of the project	<b>Proposed development of "1 Lakh Multi Story Bengaluru Housing Program"</b>  At Survey No. 78 of Kukkanahalli Village, Dasanapura Hobli, Bengaluru North Taluk, Bengaluru Urban District, Karnataka -560089
3.Type of development	
a) Residential/ Apartment/ villas/ Row houses/ office/ IT/ ITES/ Mall/ Hotel/ Hospital / others	Residential Apartment project with 504 units
b) Residential township/ area development projects	NA
4.New / expansion/ modification /renewal	New
5.Water bodies / Nallas at the vicinity of project site	NA
6.Plot area -Sqm	24866.44 Sqm (6A 6G)
7.Built up area -Sqm	21224.16 Sqm
8.Building configuration	
•No of blocks/Towers	Residential - G+3UF+TF of 504 units with a height of 12.6m.
•No of basements & Upper floors	
9. Project cost – Rs in crores	Rs. 41.55 Crores
10. Ground coverage area	5,254.64 Sqm (21.13%)
11.Disposal of demolition waste and /or excavated earth	Total quantity of Excavated earth (in cubic meter) - 5300 For back filling = 2330Cum For Landscape=990 Cum For Internal Road making =1980 Cum
12.FAR	
• Permissible	5
• Proposed	0.89
13.Water-operational phase	
• Source	Gram Panchayath
•Quantity-KLD	252
•Waste water generation-KLD	202
14.STP capacity-KLD	220
15.Scheme of disposal of excess treated water	No Excess water
16.Waste generated -in kg/day	907 kg/day
•Bio degradable waste and disposal	544 kg/day converted in to organic manure and used for garden

•Non-Bio degradable waste and disposal	363 kg/day given to PCB authorized recycler
•Hazardous waste and disposal	100-200 lts/yr of waste oil given to PCB authorized recycler
17.CER activities proposed	As Rajiv Gandhi housing corporation Limited is a government project the CER activities and its budget provision with respect to the proposed project are not worked out.
18.EMP	During Construction: Capital investment - 6 lakhs Operation investment - 2.5 lakhs/ annum During Operation: Capital investment - 308 lakhs Operation Investment - 18 lakhs/ annum

The subject was discussed in the SEAC meeting held on 20<sup>th</sup> July 2021. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

This is a new proposal for construction of 504 units of Residential flats by Rajiv Gandhi Housing Corporation Ltd having total BUA of 21,224.16 Sq.m. The proponent informed that there is a road on ground passing through the site area though there is no road as per village map. With regard to this, the proponent affirmed that road area will be left unutilized for public use in the proposed project location with suitable buffer. Further proponent informed the Committee that there are no nallas or water bodies in the buffer zone of the project.

The proponent affirmed that area of 4800 Sqmt (19.3%) will be left for green belt development and had made provision for planting 305 Nos of trees. The Committee suggested that planting should be done all around the project site, for which the proponent agreed. Proponent informed that 300 Cum capacity rain water storage tank and 22 Nos of recharge pits will be provided for RWH in the site area and assured to use maximum roof area for solar power generation and to use excavated earth within the plot area. The Committee suggested that proper drainage system should be developed for handling excess water during rainy seasons and to be connected to main drain outside the area.

The project proponent informed that the permissible FAR is 5.00 whereas proposed project is having FAR 0.89. The proponent said that he has made provision for 93 No's Car parking.

Further the proponent informed that water requirement during operation phase will be met from Gram Panchayath and proponent agreed to submit consent letter from Gram Panchayath for water before issue of EC to SEIAA.

The committee decided to recommend the proposal to SEIAA for issue of EC with the condition that consent letter from Gram Panchayath should be submitted to SEIAA with regards to supply of water during operational phase.

*The Authority perused the proposal and took note of the recommendation of SEAC.*

***The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to submission of the following information:***

1. *The project proponent shall furnish Notorised undertaking that he shall maintain Buffer zone as per bylaw and compliance to provisions of CDP.*
2. *The project proponent shall leave the buffer from the lake /drain as per the RCDP 2015 as directed by supreme court order CIVIL APPEAL NO. 5016 OF 2016 dated 5th March 2019.*
3. *STP should be redesigned for Biological Nitrogen Removal. / BNR unit for STP along with design calculation/ budgetary allocation for the same should be submitted.*
4. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
5. *A time bound action plan for implementation of proposed CER activities as a part of EMP.*

**Additional Condition:**

Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.

**201.1.7. Development of Multi Story Bengaluru Housing Program Project at Devagere Village, Bengaluru South Taluk, Bengaluru Urban District by M/s. Rajiv Gandhi Housing Corporation Ltd (SEIAA 74 CON 2021)**

M/s. Rajiv Gandhi Housing Corporation Limited have proposed for construction of development of "1 Lakh Multi Story Bengaluru Housing Program" Project on a plot area of 10,117.05 Sqm (2A 20G). The total built up area is 27,623.14 Sqm. The proposed project consists of Residential flats consist of 2 blocks with Building configuration of Block -A & B having S+13UF+TF. Total water consumption is 286 KLD (Fresh water + Recycled water). The total wastewater generated is 229 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 250 KLD. The project cost is Rs. 57 Crores.

Details of the project are as follows:

1.Name of the project proponent	Sannachittaiah Chief Engineer M/s. Rajiv Gandhi Housing Corporation Limited RGHCL, 8th Floor, E&F Block, K.G. Road, Cauvery Bhavan, Bengaluru - 560009
2.Name & Location of the project	Proposed development of "1 Lakh Multi Story Bengaluru Housing Program" Survey No. 68 of Devagere Village, Kengeri Hobli, Bengaluru South Taluk, Bengaluru Urban District, Karnataka - 560064
3.Type of development	
a) Residential/ Apartment/ villas/Row houses/office/IT/ITES/Mall/Hotel/Hospital /others	Residential Apartment project with 571 units
b) Residential township/area development projects	NA
4.New /expansion/modification /renewal	New
5.Water bodies /Nallas at the vicinity of project site	NA
6.Plot area -Sqm	10,117.05 Sqm (2A 20G)
7.Built up area -Sqm	27,623.14 Sqm
8.Building configuration	
•No of blocks/Towers	Residential flats consist of 2 blocks with Building configuration: Block -A & B - S+13UF+TF - 41.99m.
•No of basements & Upper floors	
9. Project cost – Rs in crores	Rs. 57 Crores
10. Ground coverage area	2,003.97 Sqm (19.8%)
11.Disposal of demolition waste and /or excavated earth	Total quantity of Excavated earth (in cubic meter) - 2200 For back filling = 11030Cum For Landscape= 440 Cum For Internal Road making =660 Cum
12.FAR	
• Permissible	5
• Proposed	2.47



12. Water-operational phase	
• Source	Gram Panchayath
• Quantity-KLD	286
• Waste water generation-KLD	229
13. STP capacity-KLD	250
14. Scheme of disposal of excess treated water	Available treated water - 218 KLD (95% of sewage water) For flushing - 103 KLD For Miscellaneous (Laundry, Floor washing, Vessels)- 57 KLD For gardening - 43 KLD For car & floor washing - 15 KLD No Excess water
15. Waste generated -in kg/day	1028kg/day
• Bio degradable waste and disposal	617 kg/day converted in to organic manure and used for garden
• Non-Bio degradable waste and disposal	411 kg/day given to PCB authorized recycler
• Hazardous waste and disposal	100-200 lts/yr of waste oil given to PCB authorized recycler
16. CER activities proposed	As Rajiv Gandhi housing corporation Limited is a government project the CER activities and its budget provision with respect to the proposed project are not worked out.
17. EMP	During Construction: Capital investment - 5 lakhs Operation investment - 2.5 lakhs/ annum During Operation: Capital investment - 298 lakhs Operation Investment - 18 lakhs/ annum

The subject was discussed in the SEAC meeting held on 20<sup>th</sup> July 2021. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

This is a new proposal for construction of 571 units of Residential flats by Rajiv Gandhi Housing Corporation Ltd having total BUA of 27,623.14Sqm. The proponent informed that there are no nalas or water bodies in the buffer zone of the project.

The proponent affirmed that area of 2498.30Sqmt (24.70%) will be left for parks, open spaces and green belt development and had made provision for planting 130Nos of

trees. Proponent informed that 110Cum capacity rain water storage tank and 09Nos of recharge pits will be provided for RWH in the site area and assured to use maximum roof area for solar power generation and to use excavated earth within the plot area. The Committee suggested that proper drainage system should be developed for handling excess water during rainy seasons and also to make provisions for mobile STP during construction phase.

The project proponent informed that the permissible FAR is 5.00 where in proposed project is having an FAR 2.47 and also made provision for 106No's as per of Car parking as per RGHCL guidelines.

Further the proponent informed that water requirement during operation phase will be met from Gram Panchayath and proponent agreed to submit consent letter from Gram Panchayath for water before issue of EC to SEIAA.

The committee decided to recommend the proposal to SEIAA for issue of EC with the condition that consent letter from Gram Panchayath should be submitted to SEIAA with regards to supply of water during operational phase.

*The Authority perused the proposal and took note of the recommendation of SEAC.*

***The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to submission of the following information:***

1. *The project proponent shall furnish Notorised undertaking that he shall maintain Buffer zone as per bylaw and compliance to provisions of CDP.*
2. *The project proponent shall leave the buffer from the lake /drain as per the RCDP 2015 as directed by supreme court order CIVIL APPEAL NO. 5016 OF 2016 dated 5th March 2019.*
3. *STP should be redesigned for Biological Nitrogen Removal. / BNR unit for STP along with design calculation/ budgetary allocation for the same should be submitted.*
4. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
5. *A time bound action plan for implementation of proposed CER activities as a part of EMP.*

**Additional Condition:**

Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.

**201.1.8. Multi Story Residential flats under “One Lakh Multi Story Bengaluru Housing Program” Project at Muddayanapalya Village, Tavarekere Hobli, Bangalore South Taluk, Bangalore Urban District by M/s. Rajiv Gandhi Housing Corporation Ltd by M/s. Rajiv Gandhi Housing Corporation Ltd (SEIAA 145 CON 2020)**

M/s. Rajiv Gandhi Housing Corporation Ltd., have proposed for construction of Multi Story Residential Flats Under “1 Lakh Multi Story Bengaluru Housing Program” Project on a plot area of 2,36,032.90 Sqm. The total built up area is 5,16,632.66 Sqm. The proposed project consists of 9,414 Nos. Residential Units in 19 Towers having Building configuration of S+14 UF. Total water consumption is 5880 KLD (Fresh water + Recycled water). The total wastewater generated is 4999 KLD. The project proponent has proposed to construct Sewage Treatment plant with capacity of 2935 KLD, 1220 KLD & 850 KLD. The project cost is Rs. 900 Crores.

Details of the project are as follows:

1.Name of the project proponent	M/s. Rajiv Gandhi Housing Corporation Ltd., # Cauvery Bhavan, 9 <sup>th</sup> Floor, E & F Block, K.G. Road, Bangalore-560009
2.Name & Location of the project	Proposed Multi Story Residential Flats Under “1 Lakh Multi Story Bengaluru Housing Program” at Sy No. 28 of package 9A & 9B, Muddayanapalya Village, Tavarekere Hobli, Bangalore South Taluk, Bangalore
3.Type of development	
a) Residential/ Apartment/ villas/ Row houses/ office/ IT/ ITES/ Mall/ Hotel/ Hospital / others	Residential Apartment
b) Residential township/ area development projects	NA
4.New / expansion/ modification / renewal	New
5.Water bodies / Nallas at the vicinity of project site	NA
6.Plot area -Sqm	2,36,032.90 Sqm
7.Built up area -Sqm	5,16,632.66 Sqm

8. Building configuration		
• No of blocks/Towers	Residential building Total No. of Residential Units = 9,414 Nos. Residential Building configuration = Tower 1to19 : S+14 UF	
• No of basements & Upper floors		
9. Project cost – Rs in crores		
Rs. 900 Crores		
10. Ground coverage area		
34,520.30 Sqm (14.63%)		
11. Landscape area		
1, 19,427.75 sqm (50.6%)		
12. FAR		
• Permissible	5.0	
• Proposed	2.15	
13. Disposal of demolition waste and /or excavated earth		
NA		
14. Water-operational phase		
• Source	BWSSB/government agencies	
• Quantity-KLD	5880	
• Waste water generation-KLD	4999	
15. STP capacity-KLD		
STP of capacity 2935 KLD, 1220 KLD & 850 KLD; SBR System		
16. Scheme of disposal of excess treated water		
Excess treated water will be used for floor washing, for vehicle washing and will be given to avenue plantations & nearby construction activities		
17. Waste generated -in kg/day		
19,780 kg/day		
• Bio degradable waste and disposal	11868 kg/day converted in to organic manure and used for garden	
• Non-Bio degradable waste and disposal	7912 Kg/day given to PCB authorized recycler	
• Hazardous waste and disposal	50-80 l given to PCB authorized recycler	
18. Rain Water Harvesting		
Details of Roof rain water and Surface water collection sump capacity in CUM		
<b>Particulars</b>	<b>Roof rain water</b>	<b>Surface water</b>
Tower 1 to 5	525	300
Tower 6 to 11	640	300
Tower 12 to 15	410	200
Tower 16 to 19	510	200
Recharge pits of 45 Nos. provided around the periphery of the site		

19.CER activities proposed	The goal of the proposed project is to provide shelter for economically weaker section of the society and as it is a government project, no CER activities are proposed.	
20.EMP (Construction & Operation)	During construction	Capital Investment - 30.0 Lakh
		Recurring exp. During Construction phase - 40.5 Lakh/annum
	During operation	Capital investment - 470.0 Lakh
		Recurring exp. During Operation phase - 42.0 Lakh/annum

The subject was discussed in the SEAC meeting held on 20<sup>th</sup> July 2021. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

This is a new proposal for construction of 9414 numbers of Residential flats by Rajiv Gandhi Housing Corporation Ltd having total BUA of 5,16,632.00Sq.m for which ToRs was issued by SEIAA on 06/03/2021. The proponent informed that there are no nalas or water bodies passing through the proposed site nor in the buffer zone of the project.

The proponent affirmed that area of 1,19,427.75Sqmt (50.6%) will be left for parks, open spaces and green belt development and had made provision for planting 2950Nos of trees. Proponent informed that sufficient capacity rain water storage tank and 45Nos of recharge pits will be provided for RWH in the site area and assured to use maximum roof area for solar power generation and to use excavated earth within the plot area.

The project proponent informed that the permissible FAR is 5.00 where in proposed project is having an FAR 2.15 and also made provision for 1824No's of Car parking as per RGHCL guidelines. The Committee suggested to make provisions for electric vehicle charging stations and to increase the parking facilities in the proposed project area, for which proponent agreed.

Further the proponent informed that water requirement during operation phase will be met from BWSSB and proponent agreed to submit consent letter from BWSSB for water before issue of EC to SEIAA.

The committee decided to recommend the proposal to SEIAA for issue of EC with the condition that consent letter from BWSSB should be submitted to SEIAA with regards to supply of water during operational phase.

*The Authority perused the proposal and took note of the recommendation of SEAC.*

***The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to submission of the following information:***

1. *The project proponent shall furnish Notorised undertaking that he shall maintain Buffer zone as per bylaw and compliance to provisions of CDP.*
2. *The project proponent shall leave the buffer from the lake /drain as per the RCDP 2015 as directed by supreme court order CIVIL APPEAL NO. 5016 OF 2016 dated 5th March 2019.*
3. *STP should be redesigned for Biological Nitrogen Removal. / BNR unit for STP along with design calculation/ budgetary allocation for the same should be submitted.*
4. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
5. *A time bound action plan for implementation of proposed CER activities as a part of EMP.*

**Additional Condition:**

Assured water supply, commensurate with the ultimate occupancy envisaged in the project, shall be ensured before commencement of the project.

**Mining Projects**

**201.1.9. Building Stone Quarry Project at Makenahalli Village, Nelamangala Taluk, Bangalore Rural District (9-00 Acres) (3.64 Ha) by M/s. Shankara narayana Constructions Pvt. Ltd.(SEIAA 263 MIN 2021)**

M/s Shankaranarayana Constructions Pvt Ltd have applied for Environmental clearance from SEIAA for quarrying of Building Stone in Govt Land in an extent of 3.64 Ha at Sy.No - 25 of Makenahalli village, Nelamangala Tq, Bengaluru Rural Dist

Details of the project are as follows:

Sl. No	Particulars	Information
1	Name & Address of the Project Proponent	M/s Shankaranarayana Constructions Pvt Ltd No. 07, Residency Road (Old No. 09, Rajaram Mohan Roy Road) Bengaluru-560028

2	Name & Location of the Project	Building Stone Quarry Sy.No - 25 of Makenahalli village, Nelamangala Tq, Bengaluru Rural Dist
3	Type of Mineral	Building stone
4	New /expansion/modification /renewal	New
5	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Govt land
6	Area in Ha	3.64 Ha
7	Annual production (metric ton /Cum) per annum	15,37,378TPA for 1 <sup>st</sup> year 5,96,052 TPA for 2 <sup>nd</sup> year
8	Project Cost (Rs. In Crores)	2.00 Crores
9	Proved quantity of mine/quarry- Cu.m/Tons	38,65,853 Tons
10	permitted quantity per annum- Cu.m/Ton	15,37,378TPA for 1 <sup>st</sup> year 5,96,052 TPA for 2 <sup>nd</sup> year
CER Action Plan:		
	Year	Corporate Environmental Responsibility (CER)
		Budget (Rs.)
	1	Afforestation at Makenahalli Govt school premises
	2	Rejuvenation of Vadekal kere periphery at a Bangalore Rural Distance of 1.80 kms (SW)
	3	Rejuvenation of Madala kere periphery of Madagandonahalli at a Bangalore Rural Distance of 3.40 kms (W)
12	EMP Budget	Rs.2.70 lakhs (Capital Cost) & Rs. 1.85 lakhs (Recurring cost)

The subject was discussed in the SEAC meeting held on 19<sup>th</sup> July 2021. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proponent has obtained NOCs from Forest Dept. The lease was notified by C&I Dept on 23.03.2021. This project is taken on priority, since the building stone from this lease will be used for the development of Doddaballapur- Dobaspet NH-648.

There is an existing cart track road to a length of 2000meters connecting lease area to the all-weather black topped road.

As per the Cluster sketch there are 10 leases including this lease within 500 meter radius from the lease area, out of which 8 leases were exempted from cluster effect in view of the leases were granted prior to 09.09.2013 or ECs issued prior to 15.01.2016 or leases not operative for 3 years. The total area of the remaining two leases including this lease is 12-12Acre and the project is categorized as B2. The proponent has collected baseline data of air, water, soil and noise and the parameters are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters are maintained within the permissible limits.

The proponent informed that the trucks will be covered with tarpaulin, mines manager will be employed, all the precautionary measures will be taken during blasting.

Considering the proved mineable reserve of 38,65,853tons (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 4 years. The committee decided to recommend the proposal to SEIAA for issue of Environmental Clearance for production of 15,37,378 tonnes (including waste) for 1<sup>st</sup> year and 5,96,052 tonnes (including waste) for 2<sup>nd</sup> year.

*The Authority perused the proposal and took note of the recommendation of SEAC.*

*The Authority after discussion decided to reconsider the proposal for further consideration after submission of the following information.*

1. *The project proponent shall submit clear cluster certificate from the concerned Authority.*
2. *If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
3. *Safety measures proposed shall be submitted.*
4. *A time bound action plan for implementation of proposed CER activities as a part of EMP.*

**201.1.10. Building Stone Quarry Project at Sy.No.62/3 of Nirmanahalli Village, Bhalki Taluk, Bidar District (2.50 Acres) (1.00 Ha) by M/s. Shree Swamy Samarth Engineers Ltd (SEIAA 294 MIN 2021)**

M/s. Shree Swamy Samarth Engineers Ltd have applied for Environmental clearance from SEIAA for quarrying of Building Stone in Patta Land at Sy.No.62/3 of Nirmanahalli Village, Bhalki Taluk, Bidar District.

Details of the project are as follows:



Sl. No	Particulars	Information
1	Name & Address of the Project Proponent	<b>M/s Shree Swamy Samarth Engg. Ltd</b> <b>Plot No. 13, Teachers colony</b> <b>Kallur Road, Humnabad</b> <b>Bidar, Karntaka-585330</b>
2	Name & Location of the Project	Nirmanahalli Building Stone Quarry Nirmanahalli Village, Bhalki Taluk Bidar Taluk
3	Type of Mineral	Building Stone
4	New /expansion/modification /renewal	New
5	Type of Land [ Forest, Government Revenue, Gomal, Private/Patta, Other]	Patta Land
6	Area in Ha	1.0 ha (2-20 Acres)
7	Annual production (metric ton /Cum) per annum	1 <sup>st</sup> year- 1,00,519 TPA 2 <sup>nd</sup> Year - 1,50,78 TPA 3 <sup>rd</sup> -5 <sup>th</sup> Year- 10,310 TPA
8	Project Cost (Rs. In Crores)	2,83,514 Tonnes
9	Proved quantity of mine/quarry- Cu.m/Tons	2,83,514 Tonnes
10	permitted quantity per annum- Cu.m/Ton	1 <sup>st</sup> year- 1,00,519 TPA 2 <sup>nd</sup> Year - 1,50,78 TPA 3 <sup>rd</sup> -5 <sup>th</sup> Year- 10,310 TPA
CER Action Plan:		
	Year	Corporate Environmental Responsibility (CER)
		Budget (Rs.)
	1	Rejuvenation of Nirmanahalli water pond/seasonal nallas and plantation on side of nallas
		5,00,000/-
12	EMP Budget	Rs.2.30 lakhs (Capital Cost) & Rs. 10.65 lakhs (Recurring cost)

The subject was discussed in the SEAC meeting held on 20<sup>th</sup> July 2021. The Committee has recommended to SEIAA for issue of EC and the extract of the proceedings of the Committee meeting is as below:

The proponent has obtained NOCs from Forest & Revenue Dept. The lease was notified on 24.06.2021. This project is taken on priority, since the building stone from this

lease will be used for the development of Two/Four lane Bidar to Humnabad section NH-50.

There is an existing cart track road to a length of 1KM connecting lease area to the all-weather black topped road. The Committee suggested the proponent for asphaltting the approach road for which the proponent agreed.

As per the cluster certificate there are no other leases within 500 meter radius from the lease area. The total area of the subject lease is 2-20Acre and the project is categorized as B2. The proponent has collected baseline data of air, water, soil and noise and the parameters are within the permissible limits. The proponent informed that all mitigative measures will be taken to ensure that the parameters are maintained within the permissible limits.

Considering the proved mineable reserve of 2,83,514tons (including waste) as per the approved quarry plan, the committee estimated the life of the mine as 5 years. The committee decided to recommend the proposal to SEIAA for issue of Environmental Clearance for production of 1,005,19 tonnes (including waste) for 1<sup>st</sup> year, 1,50,718 tonnes (including waste) for 2<sup>nd</sup> year and 10,310 tons for 3<sup>rd</sup> to 5<sup>th</sup> year.

The Authority perused the proposal and took note of the recommendation of SEAC.

*The Authority after discussion decided to clear the proposal for issue of Environmental Clearance subject to submission of the following information:*

- 1. If the distance of nearest Protected Area (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor) is within 10 KM, a certificate from the Chief Wild Life Warden (CWLW) along with his recommendation, else a certificate from the proponent that the proposed site is more than 10 KM away from any Protection Authority (PA) (National Park/ Sanctuary/Bio sphere reserve/ migratory corridor).*
- 2. Safety measures proposed shall be submitted.*
- 3. A time bound action plan for implementation of proposed CER activities as a part of EMP.*

## **201.2. Additional Agenda**

**Complaint received from Shri Jagan Kumar with regard to violation of order of Hon'ble NGT, Environment (Protection) Act, 1986 and EC conditions by M/s. Jana Jeeva Estates Pvt. Ltd. in "JANA JEEVA ORCHID" Residential Apartments Project at Sy.No.54, Halehalli Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District. (SEIAA 141 CON 2015)**

Environmental Clearance has been granted by the Authority vide letter No. SEIAA 141 CON 2015 dated 23.06.2016 to M/s. Jana Jeeva Estates Pvt. Ltd. for construction of

Residential Apartments called "JANA JEEVA ORCHID" at Sy.No.54, Halehalli Village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District. The project was envisaged for construction of residential apartment with a total built up area of 20,632.94 Sqm on a plot area of 6967.41 Sqm with a building configuration of basement, Ground and 4 upper floors accommodating 150 residential units.

Shri Jagan Kumar J., C/o The Renaissance Foundation, No.529, 4<sup>th</sup> Cross, KSM Enclaves, Banjara Layout, Kalkere village, Bangalore- 560043 has submitted compliant dated 08.02.2019 and 16.04.2019 alleging that the proponent had concealed the fact of existing storm water drain (Rajakaluve) as the project layout plan submitted to SEIAA was contradicting and differing from that of project layout plan approved from BDA with buffer zone marked 12m from edge of SWD to building edge.

The State Level Environment Impact Assessment Authority, Karnataka considered the complaint and communicated a copy of the same to the project proponent for clarification /explanation with regard to the alleged violation vide letter No. SEIAA 141 CON 2015 dated 13.03.2019. The proponent has not submitted any information so far in this regard.

The Authority noted that the Regional Office, MoEF&CC is authorized to monitor the implementation of the stipulated conditions and environmental safeguards contained in the Environmental Clearance. In view of this, the Authority have decided to communicate a copy of the complaint received from Shri Jagan Kumar J to the Regional Office, MoEF&CC with a request to get the project site inspected with regard to the compliance on the EC conditions and the issues raised in the complaint letter of Shri Jagan Kumar and sending report for further necessary action on the issue.

Meanwhile complainant further filed complaint at Lokayukta on 21.06.2019, & reply was already forwarded by SEIAA on 26.07.2019. In the letter dated 26.07.2019, it is mentioned that once we received a reply from MoEF & CC, the issue will be placed at SEIAA and necessary action will be taken.

Accordingly, Regional office, MoEF & CC, has forwarded their report vide letter No. EP/12.1/2016-17/19/SEIAA/KAR/237 dated 19.02.2021, which was received by this office on 25.02.2021. They have mentioned many non-compliances by the project proponent and also made a remark that since EC has been issued by DEE themselves, have to monitor and implement the Rules.

In view of the above said facts the subject is placed before the Authority on 3<sup>rd</sup> September 2021 .

*The Authority perused the complaint and reply of MoEF&CC and decided to Authorize Member Secretary, SEIAA to correspond with Karnataka Lokayukta, Bangalore.*

### **201.3. Opinion Sought from SEAC, Karnataka**

#### **201.3.1 Standardization of Environmental Clearance conditions for Minor minerals- Regarding**

The committee observed that the Environmental Clearance conditions issued from MoEF&CC, New Delhi for major minerals are being issued by SEIAA for minor minerals also along with some additional conditions, since MoEF&CC have not standardized conditions for minor minerals. The proponents and consultants also expressed that some of the conditions proposed are not implementable. In view of this Regional Office, MoEF & CC are not inclined to visit the project sites for issuing certified compliances to earlier EC conditions, Committee opined need of simplification and revision of conditions and decided to form the subcommittee. Committee during the course of its meeting also discussed about check list of documents to be submitted along with EC applications, standardization of power point presentation by consultants and methodology for arriving at proved mineable reserves. Committee decided to have a sub committee comprising of following members

- |                            |   |          |
|----------------------------|---|----------|
| a) Sri B. Ramasubbareddy   | - | Chairman |
| b) Sri. Mahendra Kumar M C | - | Member   |
| c) Sri. Dinesh MC          | - | Member   |

To study on the following

1. To reduce the number of condition for issue of compliance certificate through simplification and confining to environment related issues of the project.
2. Check list of document to be submitted along with EC application.
3. To consider reserves/resources to arrive at proved mineable reserves to assess the life of the mine.

Sub committee to study and recommend on the above within the frame work of various acts and rules, OM's, Notifications and Guidelines issued by various statutory departments. Sub-Committee report will be reviewed by SEAC before recommending to SEIAA.

Regarding suggestion by some members about modification in mining plan which is the domain of DMG and MoEF, committee decided to request SEIAA to write letter to DMG, MoEF to facilitate to have meeting/interaction with the concerned by the members of Sub Committee.

*The Authority perused the request made by the SEAC and decided to Authorize MS, SEIAA to correspond to MOEF&CC, GoI and Department of Mines and Geology.*

### **201.3.2 Issue of certified compliance to earlier Environmental Clearance conditions - Regarding**

SEIAA is receiving many proposals for expansion of the projects, for which already ECs have been issued in the past. The proponents and consultants of such projects have brought to the notice of SEAC and SEIAA that due to prevailing COVID situation there is considerable time involved in obtaining Certified Compliance Report (CCR) from the regional office MOEF&CC and has therefore requested SEAC to appraise the projects and recommend the proposals to SEIAA with a condition that the certified compliance report to earlier EC conditions from the concerned authorities will be submitted to SEIAA before issue of EC. In this regard the committee decided to refer the matter to SEIAA and seek concurrence from SEIAA to appraise the proposals subject to submission of certified compliance to earlier EC conditions to SEIAA.

The Authority noticed that in a number proposals, SEAC proceeds with appraisal even in the absence of certified compliance. The authority opined that for all such projects seeking expansion for EC's, the certified compliance report recommended with satisfactory compliance by the concerned authorities forms the basis for further appraisal of expansion projects for issue of EC. Therefore, appraisal of projects without certified compliance report and recommending it to authority also leads to further delay in finalization of the decision of the Authority.

Hence, in applicable cases, SEAC is advised to undertake appraisal only after certified compliance is available.

Sd/-  
**(Dr. K. R. Sree Harsha)**  
Chairman,  
SEIAA, Karnataka

Sd/-  
**(K. N. Shivalinge Gowda)**  
Member,  
SEIAA, Karnataka

Sd/-  
**(Brijesh Kumar, IFS)**  
Member Secretary,  
SEIAA, Karnataka

**(Brijesh Kumar, IFS)**  
Member Secretary,  
SEIAA, Karnataka