

Proceedings of the 260<sup>th</sup> SEAC Meeting through video conference held on  
12<sup>th</sup> May 2021

Members present in the meeting on 12<sup>th</sup> May 2021

1.	Shri. Venugopal V	Chairman
2.	Dr. Shekar H.S	Member
3.	Dr. J.B Raj	Member
4.	Shri. Nanda Kishore	Member
5.	Dr. S.K. Gali	Member
6.	Shri. Vyshak V Anand	Member
7.	Shri. Dinesh MC	Member
8.	Shri. Devegowda Raju	Member
9.	Shri. Sharanabasava Chandrashekhar Pilli	Member
10.	Shri J G Kaveriappa	Member
11.	Shri. Mahendra Kumar M C	Member
12.	Shri. B V ByraReddy	Member
13.	Dr.SarvamangalaR. Patil	Member
14.	Shri. B. Ramasubba Reddy	Member
15.	SmtSaswatiMisra, IFS	Member Secretary

The Chairman welcomed the members and initiated the discussion. The proceedings of the 259<sup>th</sup> meeting held on 30<sup>th</sup> April 2021 were read and accepted.

Subjects appraised - 12<sup>th</sup> May 2021

Deferred Projects

**260.1.** Bulk Drugs & Intermediates Manufacturing Unit Project at Kadechur-Badiyal Industrial Area of KIADB, Yadgir Taluk, Yadgir District by M/s. Sarvani Chemicals (SEIAA 08 IND 2021) [SIA/KA/IND2/190258/2020]

This project was deferred in the 258<sup>th</sup> SEAC meeting held on 8<sup>th</sup> March 2021.

**About the project:**

Sl No.	PARTICULARS	INFORMATION
1	Name of the project proponent:	N.Srinivasarao
2	Name & Location of the project:	M/s Sarvani chemicals. Plot Nos.125 &126, KIADB, Kadechur-

		Badiyal Industrial area, Kadechur village, Yadgir Tehsil, Yadgir District, Karnataka state.
3	New /expansion/modification / product mix change:	New
4	Plot Area	2.0 Acres or 8079 Square meters
5	Built Up Area (Ground coverage area)	7116Square meters
6	Project Cost	Total Project capital cost is Rs. 5.15 crore.
7	Component of development:	Establishment of manufacturing unit for Active Pharmaceutical Ingredients (API's) and drug intermediates along with solvent distillation facility.
8	Source of water while operational phase of unit.	The requirement of water is 19.95 KL per day and it will be sourced from KIADB or local vendors.
9	Total Water Requirement (Domestic + Industrial) in KLD	19.95 KLD
	Fresh Water in KLD	15.45 KLD
	Recycled water in KLD	4.5 KLD
10	Total waste water generation in KLD	15.69 KLD (15690 litres/day) in house ETP plant and Authorised CETP
11	Total effluents generation in KLD	15.69 KLD
12	Scheme of disposal of excess treated water	No excess treated water
13	ETP Capacity	MEE -20.00 KLD, Effluent Treatment Plant -20.00 KLD, RO plant - 20.00 KLD)
14	STP Capacity	3.00 KLD
15	Waste Generation & its Disposal	Water effluent 15.69 KLD, solid waste 1175 Kg/day, effluent will be treated in in-house ETP and will be sent to KSPCB authorized CETP for further treatment and safe disposal.
	Solid Waste	Store in secured manner and handed over to KSPCB authorized vendor
	Hazardous Waste	Store in secured manner and hand over to KSPCB authorized TSDF
16	Green Belt Coverage - % of total area	2760 square meters (34.16%)
17	EMP	a. Process gases scrubbers-10.00lakhs b. RWH- 5.00lakhs c. Green belt development-3.00 lakhs

		d. Occupational health and safety- 5.00lakhs e. MEE and f. RO plant-40.00lakhs <b>Total-63.00lakhs</b>
18	For CER activities proposed by allsurrounding industries.	Total-Rs5.00 lakhs for health care facilities to COVID-19

This is a new proposal and land is allotted to the proponent by KIADB on 27.08.2020. The proponent made the presentation of the project. The proponent has proposed to manufacture 5 bulk drugs & 5 drug intermediates along with solvent distillation and proposed to manufacture all these any given point of time. Effluents will be sent to CETP with in the industrial area which is under construction. By the time the production starts CETP will be operational. STP treated water will be utilized for landscaping.

The committee desires need of following information and decided to reconsider after submission of same:

- a) Details of recovery of solvents.
- b) Alternatives to Thionyl Chloride, Phosphorous Oxy Chloride and Hydrogen Bromide, since these chemicals are highly hazardous and corrosive in nature or specific mitigative measures in handling, storage and management of emissions due to these chemicals
- c) 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.
- d) Details of Environment management cell.
- e) Detailed EMP budget and CER activities in specific terms.

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

#### Fresh Projects

260.2. API Manufacturing Industry Project at Plot No.14 of Industrial Area (Phase-II) Gowribidanur Taluk, Chikkaballapura District by M/s. PMAARS BIOSCIENCE (SEIAA19 IND 2021) (SIA/KA/IND2/175836/2021)

The proponent remained absent with intimation. Hence the committee decided to defer the appraisal of the project proposal.

**Action:** Member Secretary, SEAC to put up before SEAC in subsequent meeting.

260.3. API's & Intermediates & Formulation & Epoxy Resin, Polyurethane, Silicone Resin, Polyamide 140 & 160 Resin and Cycloaliphatic Resin Manufacturing Facility Project at Plot No.13, Sy.No.15 of Jakkasandra Industrial Area, KasabaHobli, Malur Taluk, Kolar District by M/s. Veeyor Organics (SEIAA 20 IND 2021) [SIA/KA/IND2/206383/2021]

**About the project:**

Sl No	PARTICULARS	INFORMATION
1	Name of the project proponent:	M/s. Veeyor Organics
2	Name & Location of the project:	Plot No.13, Sy.No.15, of Jakkasandra Industrial Area, KasabaHobli, Malur Taluk, Kolar District
3	New / expansion/ modification / product mix change:	New
4	Plot Area	4,046.83 sqm (1 Acre)
5	Built Up Area	1247.2sqm (%30.82 - Ground coverage area)
6	Project Cost	4 Crores.
7	Component of development:	Establishment of API'S & Intermediates, research & development and formulation of epoxy resin, polyurethane, silicone resin, polyamide 140 & 160 resin and cycloaliphatic resin manufacturing facility
8	Source of water	KIADB
9	Total Water Requirement (Domestic + Industrial) in KLD	16 KLD
	Fresh Water in KLD	8.588 KLD.
	Recycled water in KLD	7.412 KLD
10	Total waste water generation in KLD	9.265 KLD
11	Total effluents generation in KLD	8.05 KLD
12	Scheme of disposal of excess treated water	No excess treated water
13	ETP Capacity	15KLD
14	STP Capacity	5KLD
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	1335 sqm (33%)
17	EMP	Air pollution control - 15 Lakh Water pollution control - 15 Lakh Green belt development-5 Lakh Occupational health and safety-9 Lakh Solid and hazardous waste management - 3 Lakh Monitoring- 3 Lakh <b>Total-50.0 Lakh</b>
18	CER Activities Proposed	Total-Rs- 8 Lakh (2%) Health care facility at Jakkasandra Village, Malur- Covid testing center development at PHC Promoting Education at Jakkasandra Village, Malur - Donation of stationary (Tab) and Study materials to Schools

It is a proposal for manufacture of 12 products, research & development, out of which 4 products will be manufactured at any given point of time. Proponent earlier proposed formulation of epoxy resin, polyurethane, silicone resin, polyamide 140 & 160 resin and cycloaliphatic resin, and obtained CFE from KSPCB on 10.12.2020, which is not under the ambit of EC. In order to utilize the entire waste water within the project site, proponent has proposed ZLD unit and there will be zero effluent discharge as well. Proponent also stated that STP treated water will be utilized for landscaping and ETP treated water will be utilized for cooling tower, scrubber and for floor washing.

The committee desires need of following information and decided to reconsider after submission of the same.

- a) Detailed EMP budget incorporating rain water harvesting details and CER activities in specific terms. Providing ambulance to local Primary Health Centre/ Health Department was suggested under CER activities.
- ~~b) Details of hazardous waste management.~~
- c) 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.
- d) Submit the undertaking for the job work proposed only for the products appraised.
- e) Details of revised tree species including local, moderate sized flowering and fruit bearing plants

f) Therapeutic use of the products.

Action: Member Secretary, SEAC to put up before SEAC after submission of the information sought.

260.4. Establishment of Bulk Drugs Intermediates & Chemicals Manufacturing Project at Plot No. 90(P) A1 of Humnabad Industrial Area, Bidar Taluk & District by M/s. Sai Nikil Chemicals [SEIAA 21 IND 2021] (SIA/KA/IND2/206471/2021)

About the project:

Sl. No	PARTICULARS	INFORMATION
1	Name of the project proponent:	M/s. Sai Nikhil Chemicals
2	Name & Location of the project:	Plot No.90 (Part) A1, Humnabad Industrial area, Bidar Taluk & District.
3	New / expansion/ modification / product mix change:	New
4	Plot Area	8066 sqm
5	Built Up Area	3630sq m
6	Project Cost	4.2 Crores.
7	Component of development:	Proposed to Establishment of Pharmaceutical industry.
8	Source of water -operational phase:	KIADB water supply.
9	Total Water Requirement (Domestic + Industrial) in KLD	59.90 KLD
	Fresh Water in KLD	4.0 KLD.
10	Total waste water generation in KLD	3.0 KLD
11	Total effluents generation in KLD	32.5 KLD
12	Scheme of disposal of excess treated water	No excess treated water
13	ETP Capacity	35KLD
14	STP Capacity	5KLD
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	2661.75 sqm (33%)

	area	
17	EMP	Erection ETP -40 lakhs Air Pollution Control - 5.0 Lakhs Noise pollution control-2.1 lakhs Occupational Health And Safety-5.4 Lakh Green Belt Development-2.5 Lakh RWH-3.0 lakhs.  <b>Total EMP cost-58 Lakh</b>
18	CER Activities Proposed	Total-Rs- 8 Lakh  CER fund will be allotted to nearby hospital for Covid-19 combat.

The land was allotted by KIADB on 02.09.2020. It is a proposal for manufacture of 19 products and 24 by products, out of which 8 products are planned to be manufactured at any given point of time. In order to utilize the entire waste water within the project site, proponent has proposed ZLD unit and there will be zero effluent discharge as well. Proponent stated that STP treated water will be utilized for landscaping and ETP treated water will be utilized for cooling tower, scrubber and for floor washing. The proponent agreed to use 50% coal and 50% briquettes instead of 100% coal for boiler fuel.

The committee desires need of following information and decided to reconsider after submission of the same.

- a) Revised waste water details and treated water utilization.
- b) Details of hazardous waste management.
- c) 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.
- d) Details of revised tree species including moderately sized local flowering plants.
- e) Therapeutic use of the products.
- f) Detailed EMP budget incorporating rain water harvesting details and CER activities in specific terms. It was suggested to provide ambulance to Health Department under CER activities.

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

260.5. Establishment of Bulk Drugs Intermediates & Manufacturing Unit Project at Plot No.66 of Vasanthanarasapura Industrial Area, 2nd Phase, Nagenahalli, Kora Hobli, Tumakuru Taluk & District by M/s. SQUARE PLUS LIFE SCIENCES PVT. LTD. (SEIAA 22 IND 2021) [SIA/KA/IND2/202166/2021]

About the project:

Sl. No	PARTICULARS	INFORMATION
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, Tumakuru 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 (Domestic & Industrial)-KLD	163.20 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, MBE 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	6735Sq. meter; 33.33%
14	CER activities proposed	46.4lakhs- Primary health care, green belt, drinking water/sanitation, smart class room in nearby school.

The land was allotted by KIADB on 21.12,2015. It is a proposal for manufacture of 11 products, out of which 4 to 5 products manufactured at any given point of time. In order to utilize the entire waste water within the project site, proponent has proposed ZLD unit and there will be zero effluent discharge as well. He has also stated that STP treated water will be utilized for landscaping and ETP treated water will be utilized for cooling tower, scrubber and for floor washing.

The committee desires need of following information and decided to reconsider after submission of the same.

- 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

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

260.6. Bulk Drugs & Intermediates Manufacturing Unit Project at Plot No.104-P - Humnabad Industrial Area of Gadwanthi Village, HumnabadHobli&

Taluk, Bidar District M/s. Sri Sai Organics (SEIAA 23 IND 2021)  
[SIA/KA/IND2/206282/2021]

About the project:

Sl No.	PARTICULARS	INFORMATION
1	Name of the project proponent:	M/s. SRI SAI ORGANICS
2	Name & Location of the project:	Plot No. 104-P, Humnabad Industrial area, Gadwanthi Village, HumnabadHobli and Taluk, Bidar District, Karnataka-585330
3	New /expansion/modification / product mix change:	New
4	Plot Area	4250.55 Sq.m (1 acre)
5	Built Up Area	1860 Sq.m (Ground coverage area)
6	Project Cost	4 Crores
7	Component of development:	Establishment of Bulk Drugs and Intermediates Manufacturing unit
8	Source of water -operational phase:	KIADB
9	Total Water Requirement (Domestic + Industrial) in KLD	42.3 KLD
	Fresh Water in KLD	33.3 KLD.
	Recycled water in KLD	9 KLD
10	Total effluents generation in KLD	19KLD
11	Scheme of disposal of excess treated water	No excess treated water
12	ETP Capacity	ZLD system ( MEE - 10 KLD, Biological Treatment Plant - 15 KLD)
13	STP Capacity	NA
14	Green Belt Coverage - % of total area	1405.55 Sq.m (33%)
15	EMP	<ul style="list-style-type: none"> <li>g. Scrubber-15 lakhs</li> <li>h. RWH-10 Lakhs</li> <li>i. Green-belt development-4 lakhs</li> <li>j. Occupational health and safety-10 lakhs</li> <li>k. Storm water drains and fire management-30 lakhs</li> <li>l. MEE, STP and RO plant- 80 lakhs</li> <li>m. Environmental lab-3 lakhs</li> </ul> <p><b>Total-152 lakhs</b></p>

16	CER Activities Proposed	<b>Total-Rs-2 lakhs</b> Providing smart class (Desktop-1 No's, Laptop-1 No., Projector with screen-1No, to Government Kannada Medium Primary School Mustapur
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The land was allotted by KIADB on 18.12.2020. It is a proposal for manufacture of 13 products, out of which 2 products manufactured at any given point of time. In order to utilize the entire waste water within the project site, proponent has proposed ZLD unit and there will be zero effluent discharge as well. He has also stated ETP treated water will be utilized for cooling tower, scrubber and for floor washing.

The proponent stated that, there is a proposal for CETP in Kolhar Industrial area, Bidar for which Environmental Clearance has been obtained. Once CETP comes into the operation the industry will make use of CETP.

Power requirement of project will be 500 KVA and will be met from GESCOM. 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 X 2 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>).

The details of products and capacity as under:

Sl. No	Name of the product	Quantities in TPM	CAS No	Therapeutic Use
1	Allopurinol	6.75	315-30-0	To treat gout and kidney stones
2	Darunavir	1.0	206361-99-1	Antivirals Anti-HIV Agents
3	Desvenlafaxine Succinate Monohydrate	1.0	386750-22-7	To treat depression
4	Dapoxetine Hydrochloride	0.5	129938-20-1	Inhibitor
5	Etodolac	3	41340-25-4	To reduce pain and swelling
6	Fluconazole	1	86386-73-4	Azole antifungals
7	Ketorolac Tromethamine	1.0	74103-06-3	Anti-inflammatory
8	Pregabalin	1.0	148553-50-8	Neuropathic pain
9	PazopanibHCl	0.1	635702-64-6	
10	Rosuvastatin Calcium	1	147098-20-2	To treat cholesterol
11	Sitagliptin Phosphate	0.5	654671-77-9	To treat high blood sugar

	Monohydrate			
12	Sildenafil Citrate	1	171599-83-0	To treat male sexual function problems
13	(S)-Methyl-2-(3-((2-isopropylthiazol-4-yl)methyl)-3-methylureido)-3-methylbutanoate	2.0	154212-61-0	Intermediate
	Total	19.85		
	Total (2 products)	9.75		

Note: From the above list of products, 2 products will be manufactured at a given point of time.

#### LIST OF BY-PRODUCTS AND ITS QUANTITIES

Sl. No	Name of the product	Name of the Bi-product	Quantity in Kg/Batch
1	Allopurinol	Ethanol	1210
2	Fluconazole	Potassium Iodide	135.6
		Dimethyl Sulfoxonium	64.7
3	PazopanibHCl	HCl 30%	12.8
		HCl	2.3
4	Rosuvastatin Calcium	TEA HCl	216.2
5	Sitagliptin Phosphate Monohydrate	Isomer of input	193

Note: The quantity of By-products based on respective products being manufactured.

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

S. NO	NAME OF THE GAS	QUANTITY KG/DAY	DISPOSAL METHOD
1	Hydrogen chloride	56.42	Scrubbed by using chilled water media
2	Carbon dioxide	561.5	Dispersed into the atmosphere
3	Hydrogen	3.22	Diffused by using Nitrogen through Flame arrestor
4	Nitrogen	5.87	Let into the atmosphere

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

S. No	Category of Waste	Name of the Hazardous Waste	Quantity	Disposal Method
1	28.1	Organic waste (Process Residue)	335 Kg/Day	Sent to Cement Industries
2	--	Inorganic solid waste	122.3 Kg/day	Sent to TSDF
3	28.3	Spent Carbon	125 Kg/Day	Sent to Cement Industries
4	35.3	ETP Sludge	40.00 Kg/Day	Sent to TSDF
5	5.1	Used Oils	20L/Annum	SPCB Authorized Agencies for Reprocessing/Recycling
6	33.1	Detoxified Containers	100 No's / Month	After Detoxification sent to outside agencies. SPCB Authorized Agencies for Reprocessing/Recycling
7	33.1	LDPE Bags	100 No's/Annum	
8	33.1	HDPE Liners	1500 No's/Annum	
9	--	Used Lead Acid Batteries	2 No's/Annum	Send back to suppliers for buyback of New Batteries
10	--	Fly ash from boiler	2.7 T/month	Sent to Brick Manufacturers

The Ministry has recently issued an Office Memorandum dated 28.01.2021 which inter-alia stated SEAC to clearly recommend the permissible pollution load i.e., quantity and quality, including composition of emissions, discharge and solid waste generation. In compliance this OM, proponent has submitted the following pollution load information and the SEAC deliberated on the issue.

Kg per day												
EFFLUENT WATER							SOLID WASTE					
Water input	Water in Effluent	Organics in effluents	TDS	CO D	HTDS	LTDS	Total Effluent	Organic	In Organic	Spent carbon	Process Emission	Distillation residue
3988.33	4893.88	1.52	169.71	2.77	5538.78	-	5538.78	340.6	85.6	35.85	23.99	70

## HAZARDOUS SOLID WASTE DETAILS

Organic solid Waste	Inorganic solid waste	Spent Carbon	Distillation Residue
Kg/day	Kg/day	Kg/day	Kg/day
340.6	85.6	35.85	70

## EMISSION DETAILS

Kg/day			
HCl	CO <sub>2</sub>	H <sub>2</sub>	N <sub>2</sub>
56.42	561.5	3.22	91.5

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

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

2: 30 PM to 5:30PM

260.7. Active Pharmaceutical Ingredients (API), Intermediates, Biopharmaceutical, Job Work & Launch Products Manufacturing Facility Project at Plot No.646 of Vasanthanarasapura 2nd Phase Industrial Area, Tumkur Taluk & District by M/s. Environ India (SEIAA 25 IND 2021) [No.SIA/KA/IND2/206986/2021]

**About the project:**

Sl No	PARTICULARS	INFORMATION
1	Name of the project proponent:	M/s. Environ India
2	Name & Location of the project:	Plot No. 646, Vasanthanarasapura 2nd Phase Industrial Area, Tumkur - 572138, Karnataka
3	New /expansion/modification / product mix change:	New
4	Plot Area	4,046 sqm (1 Acre)
5	Built Up Area	1407.26 sqm
6	Project Cost	5 Crores.
7	Component of development:	Active Pharmaceutical Ingredient (API), Intermediates, Biopharmaceutical, Job Work and Launch Products Manufacturing Facility - 200 MTA
8	Source of water -operational phase:	KIADB
9	Total Water Requirement (Domestic + Industrial) in KLD	10 KLD



	Fresh Water in KLD	4.75 KLD.
	Recycled water in KLD	5.25 KLD
10	Total waste water generation in KLD	0.81 KLD
11	Total effluents generation in KLD	5.53 KLD
12	Scheme of disposal of excess treated water	No excess treated water
13	ETP Capacity	15KLD
14	STP Capacity	5KLD
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>1335 sqm (33%)</b>
17	EMP	Air Pollution Control - 50 Lakh Water Pollution Control - 50 Lakh Green Belt Development-5 Lakh Occupational Health And Safety-10 Lakh Solid and Hazardous Waste Management - 5 Lakh Monitoring- 5 Lakh  <b>Total-125.0 Lakh</b>
18	CER Activities Proposed	<b>Total-Rs-10 Lakh</b> a) Health Care Facility at Vasanthanarasapura Village PHC- Covid testing center development at PHC - 5 Lakh b) Promoting Education at Vasanthanarasapura Village - Donation of stationary (Tab) and Study materials to Schools - 5 Lakh

The land was allotted to the proponent by KIADB on 18.10.2019. It is a proposal for manufacture of 12 products, bio pharmaceutical, Job Work and Launch Products, out of which 6 products manufactured at any given point of time. In order to utilize the entire waste water within the project site, proponent has proposed ZLD unit and there will be zero effluent discharge as well. He has also stated that STP treated water will be utilized for landscaping and ETP treated water will be utilized for cooling tower, scrubber and for floor washing.

The committee desires need of following information and decided to reconsider after submission of the same.

- 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) Submit the undertaking for the job work proposed limited to the products appraised.
- c) Details of revised tree species.
- d) Therapeutic use of the products.

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

**260.8. Bulk Drugs and Intermediates Manufacturing Unit and R&D Facility Project at Plot No.694 of Vasanthanarasapura KIADB Industrial Area Phase-2, Tumakuru Taluk & District by M/s. SarshikaPharmachem LLP (SEIAA 29 IND 2021) [SIA/KA/IND2/207064/2021]**

The proponent remained absent with intimation. Hence the committee decided to defer the appraisal of the project proposal.

**Action:** Member Secretary, SEAC to put up before SEAC in subsequent meeting.

**260.9. Expansion of Bulk Drugs, Intermediates Products & Synthetic Organic Chemicals Project at Plot Nos.187 & 188 of Mundargi Industrial Area, 3rd Phase, Mundargi, Bellary District by M/s. Lohitha Laboratories (SEIAA 35 IND 2021)[SIA/KA/IND2/207143/2021]**

The proponent remained absent with intimation. The committee observed that this is an expansion project, for which earlier the EC issued on 05.04.2018 from SEIAA and proponent has not submitted the certified compliance to the earlier EC conditions. The committee decided to defer the appraisal of the project proposal.

**Action:** Member Secretary, SEAC to put up before SEAC after submission of the certified compliance to earlier EC conditions.

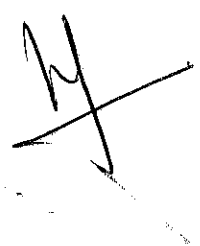
**260.10. Proposed SJICS&R Hospital Complex Project at Sy.No.28/1 of Bramapura Village, Kalaburagi Taluk & District by Sri Jayadeva Institute Of**



Cardiovascular Sciences And Research (SEIAA 29 CON 2021)  
(SIA/KA/MIS/202890/2021)

About the project:

Sl. No	PARTICULARS	INFORMATION
1.	Name of the project proponent	M/s Sri Jayadeva Institute of Cardiovascular Science & Research
2.	Name & Location of the project	Proposed SJICS & R Hospital Complex at Sy.No 28/1, Bramhapura Village, Humnabad Road (Main Road), Kalaburagi, Karnataka.
3.	Type of development a) Residential/ Apartment/villa s/Rowhouses/office/IT/ITES/Ma ll/Hotel/Hospital /others. b) Residential township/area development projects	Proposed to construction of New 300 Plus bedded Hospital.
4.	New /expansion/modification /renewal	New
5.	Water bodies /Nallas at the vicinity of project site	AppanaKere at about 450 m towards North.
6.	Plot area -Sqm	Total plot area: 28,767.40 sqm
7.	Built up area -Sqm	Total Built-up area: 37,040.60 sqm
8.	Building configuration No of blocks/Towers. No of basements & Upper floors.	Hospital Block(LG+G+4), Engineering section & patients waiting dormitory (G+2), Kitchen& dining ACplant& laundry(G+1)
9.	Project cost – Rs. in crores	140.00 crores
10.	Ground coverage area	8851.22 sqm (30.76 %)
11.	Disposal of demolition waste and /or excavated earth	Excavation will be carried out for foundation of buildings. The excavated soil will be used in backfilling and green belt development activities.



12.	Water-operational phase <ul style="list-style-type: none"> <li>• Source</li> <li>• Quantity-KLD</li> <li>• Waste water generation-KLD</li> </ul>	Source of water: Tanker/Municipal supply Total water requirement: 612 KLD. Total waste water generation: 205 KLD.		
13.	STP capacity-KLD	STP Capacity: 165 KLD ETP Capacity: 50 KLD		
14.	Scheme of disposal of excess treated water	There is no excess treated water for this project. Treated water will be used for HVAC etc.,		
15.	Waste generated -in kg/day <ul style="list-style-type: none"> <li>• Bio degradable waste and disposal</li> <li>• Non-Bio degradable waste and disposal</li> <li>• Hazardous waste and disposal</li> </ul>	<b>Descripti on of Waste</b>	<b>Quantity</b>	<b>Mode of disposal</b>
		General Garbage organic	411 Kgs / day	Organic Waste will converted in to manure by organic converter & will be used for landscape development
		Inorganic waste	274 Kgs / day	Disposed through Municipality pick up vehicle/ Authorized recycler
		STP Sludge	28 Kgs/day	Will be dewatered and used back as Manure for gardening.
		ETP sludge	13 kg/day	Disposed authorized vendors
		Bio-Medical waste	131 kg/day (25% Of The Waste generated /Bed)	Disposed to Bio-medical authorized vendors as per the rule 2016.

It is a new project. Proponent informed that the Bio-Medical waste will be sent to KSPCB authorized biomedical waste incinerator facility. The radioactive isotopes/substances should be used in accordance with the BARC guidelines.

The committee observed that there is no nala/water body which attracts buffer as per norms. The source of water for the project is from Gulbarga City Corporation and bore well sources and power will be augmented from GESCOM. The proponent also explained that 33% of area will be maintained under green belt.

After detailed discussions, the committee decided to recommend the proposal to SEIAA for issue of EC.

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

**260.11. Expansion of Yenepoya Medical, Dental Oncology Hospital & College Project at Kotekar Village, Deralakatte, Mangalore Taluk, Dakshina Kannada District by M/s. Yenepoya University (DEEMED TO BE UNIVERSITY) (SEIAA 06 CON 2021) (SIA/KA/MIS/194276/2021)**

It is an expansion project, for which earlier EC was issued on 05.10.2012 from SEIAA for a BUA of 97233.54sqm and the validity of EC is extended on 24.08.2020 from SEIAA. The proponent has submitted compliance to the EC conditions to Regional Office, MoEF&CC on 10.06.2020 and not yet certified by the authorities. Proponent requested the committee to send a letter to Regional Office, MoEF&CC to inspect the project site and issue certified compliance at the earliest. The committee decided to write a letter to Regional Office, MoEF&CC, Bangalore to get the certified compliance to earlier EC conditions and deferred the appraisal of the project proposal.

**Action: Member Secretary, SEAC to put up before SEAC after submission of the certified compliance to earlier EC conditions.**

**260.12. Manufacturing Unit Project at Plot Nos.57 & 58, Humnabad Industrial Area, Bidar District by M/s. Sri Venkata Sai Organics (SEIAA 25 IND (VIOL) 2018) [SIA/KAIND2/59333/2018]- Case of Violation and Expansion.**

This is a proposal for regularization of violation and project expansion. Now the proposal is for manufacture of 1 existing product and 6 additional products with a total capacity of 1692TPA. Out of these proposed products, 4 products will be manufactured at any given point of time. During the 256<sup>th</sup>SEAC meeting, the project proponent and the environmental consultant presented the EIA report prepared as per the TOR issued vide SEIAA/F.No. SEIAA 25 IND(VIOL) 2018 dated 05.07.2018 under the violation category. During appraisal the committee observed that

individual product wise pollution loads was not submitted & the proponent stated that he would estimate the same and submit. During the presentation, they stated that the unit operated during 2007 to 2017 with valid CFOs from KSPCB but did not have EC from SEIAA and hence the project was categorized as violation case. They further stated that the industry manufactured only one product viz., BIS-2Amine HCl in small quantity. Based on their assessment, they stated that the ecological damage due to manufacturing of product during violation period was negligible and hence they had not prepared remediation plan, and natural and community resource augmentation plan. However, they have earmarked Rs 10.00 lakhs (10% of profit earned during violation period) towards Natural and community resource augmentation plan. The committee informed the proponent that as per Notification No. SO. 80 ( E ) dated 14<sup>th</sup> March, 2017 and Notification No. SO 1030 ( E ) dated 8<sup>th</sup> March, 2018, it is necessary to assess the damage to environmental attributes like air, water, soil etc taking into account various pollutants released into the environment due to manufacturing activities. Further, based on the damage assessment, it is necessary to prepare remediation plan, and natural and community resource augmentation plan. The committee after discussions and deliberations decided to constitute a subcommittee of SEAC for inspection of the industry to verify its status and to assess the environmental damage during violation period. The subcommittee visited the said industry on 23<sup>rd</sup> February, 2021. The committee went around the premises, manufacturing unit, boiler room, MEE unit etc and also looked into various documents presented before the subcommittee. The observations of the committee are as follows.

- 1) The industry is located within the notified KIADB Industrial Area.
- 2) The proponent has purchased the sick industry from KSFC during 2005 and started commercial production during 2007-08 after obtaining CFO from KSPCB and continued production by obtaining CFO from time to time till the closure order was issued by KSPCB on 24.11.2017. The proponent was operating the unit without valid EC, though prior EC was required for the products manufactured in the unit as per EIA notification, 2006.
- 3) The proponent informed that though the industry had CFO for two products, it manufactured only one product viz., BIS-2 Amine HCl.
- 4) The industry as on the date of the visit was not in operation and during the visit the unit seemed to be not in operation since long time.
- 5) The reactors and machineries are not maintained or serviced and seemed to have not been in operation for quite some time.

- 6) Greenbelt maintained within the industrial area is not adequate. Only few big neem trees and some bushes were seen. Most of green belt area is in dried condition due to not watering the plants after its closure, since November, 2017.
- 7) The certificate issued by the Chartered Accountant showed that the proponent had earned a total income Rs 33.00 lakhs (Rupees Thirty three only) from the industry during the violation period, 2007-08 to 2016-17.

After the inspection and verification of available documents presented by the proponent and the proponent submitted the following informations,

1. Copies CFO from start of the industry till the closure order was issued.
2. Assessment of Ecological damage to environmental attributes viz., air, water and land due to production during violation period and also to prepare Remediation plan, and Natural and community resource augmentation plan.

They have arrived at Rs 12.00 lakhs (Rupees Twelve lakhs) towards ecological damage and have provided the same amount in the Natural and community resource augmentation plan. Sub-Committee opined that assessment seems to be reasonable and acceptable and the proposal can be recommended to SEIAA for issue of EC for their expansion proposal with following conditions,

- 1) Proponent to enhance and maintain the green belt to the extent of 33% around the project site.
- 2) Proponent to submit the bank guarantee of Rs 12.00 lakhs i.e equivalent to the amount of Natural and community resource augmentation plan with KSPCB prior to issue of EC.

Committee perused the report of the sub-committee and considered its recommendations towards ecological damage and Rs. 12.00 Lakhs for natural and community resource augmentation plan. The proponent and consultant presented the consolidated pollution load due to the expansion to the committee. Committee felt that the proponent has not submitted proper assessment of solid, liquid & gaseous pollution load based on the products proposed to be manufactured at a given point of time, taking into consideration the worst case scenario. Committee decided to reconsider the proposed expansion after submission of solid, liquid & gaseous pollution load based on the products manufactured at a given point of time, taking into consideration the worst case scenario.

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



260.13. Report of the Sub Committee on the visit to the upcoming Common Effluent Treatment Plant at Kolhar Industrial Area-Reg

During appraisal of many new industrial projects in the Kolhar Industrial areas, Bidar district the project proponents have stated that they will be sending the effluents generated to the upcoming CETP in the Kolhar industrial area. In order to know the present status of CETP and its commissioning, the Subcommittee visited the CETP, Kolhar Industrial Area and visited the site on 23<sup>rd</sup> Feb 2021.

During the visit of sub-committee, the project authorities made the power point presentation and briefed about the project and its progress in commissioning. The committee along with proponent, KIADB officials and industry representatives went around the premises, construction units etc and observed the present status. Following are the observations of the committee.

- 1) KIADB planned for Establishment and Commissioning of 1.2MLD capacity Common Effluent Treatment Plant in two modules of 0.6 MLD on turnkey basis including operation and maintenance of the plant for a period of 60 months.
- 2) Planned to receive Effluents from Bidar district which has four industrial areas developed by KIADB at Naubad, Basavakalyan Autonagar, Kolhar and Humnabad.
- 3) The CETP establishment and commissioning is not yet completed and the authorities present during the visit have informed that within 2 months it will be completed. But, however, as seen from the present status, it may require a minimum of 3 months.
- 4) The proponent has completed a mini unit (50 KLD) of CETP for making trial run for which they need supply 40 to 50 KLD of effluent continuously for two months for carrying out trial run before commissioning the main plant.
- 5) The industries representatives and CETP contractor requested for early issue of necessary permissions by the authorities to start the trial run of CETP and also to receive the effluents from industries for trial run.
- 6) The industries representatives informed that they will be applying for grant amendment to EC for sending effluents to CETP once it is commissioned. The subcommittee informed individual industries to apply for amendment of EC to SEIAA through Parivesh portal with all statutory and other documents.
- 7) Effluent will reach CETP via Tankers approved by KSPCB. Industries will send High TDS and Low TDS effluents separately as stated by project authorities.
- 8) After final treatment of effluents at various stages the output is of Boiler feed quality water, which will be sent to industries.

- 9) All the solid/hazardous waste generated is sent to Mother Earth's Solid waste treatment plant.

The subcommittee after discussion and deliberation opined that early commissioning of CETP at Kolhar Industrial area is essential for proper treatment of the effluents generated by the industries located in Bidar district. The following recommendations are to be made to SEIAA by the SEAC.


- 1) To correspond with concerned authorities for early completion and commissioning CETP.
- 2) To correspond with the concerned authorities like KIADB/KSPCB for necessary permissions for trial run of CETP.
- 3) To correspond with KSPCB for issue of permission to few industries to supply 40-50 KLD of effluent through designated tankers for conducting trial run for two months.
- 4) Grant of amendment to EC of the industries for sending effluents to CETP as and when their applications are received.

The above subcommittee inspection report was placed before the committee in 260<sup>th</sup> meeting. The committee after discussion decided to accept the subcommittee report and decided to request SEIAA to correspond with KSPCB & KIADB for issuing permission to industries to supply effluents and for necessary permission to start the trial run respectively as suggested by the sub-committee.

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

The meeting concluded with vote of thanks to all.

  
Member Secretary, SEAC  
Karnataka  
15/5/21.

  
Chairman, SEAC  
Karnataka

