MINUTES OF THE 95th MEETING OF STATE EXPERT APPRAISAL COMMITTEE, (SEAC), TELANGANA STATE HELD ON 31.12.2020, 2.00 P.M.

MINUTES OF THE 95th MEETING OF STATE EXPERT APPRISAL COMMITTEE (SEAC) HELD ON 31.12.2020 AT TSPCB, PARYAVARAN BHAVAN, A-3, I.E., SANATHNAGAR, HYDERABAD.

The following members were present:

S. No.	Name of the Expert	Position
1.	Prof.Ch.Krishna Reddy, H.No: 2-2-20/L/7, #401. Golden towers – II, Raja Rajeshwari Bl.PG. D.D. Colony, Hyderabad. Ph: 9866629265	Chairman.
2.	Dr.K.Shivakumar, Plot No. 328, Flat No: 302, Mehar Ninan, KPHB 6th phase, Kukatpally, Hyderabad-500072 Ph: 9951701067	Member
3.	Shri Ravindra Samaya Mantri H.No: 3-5-44/1, Flat No. 301, Arcadia Apartments, Edengaden Road, Hyderabad- 500001. Ph:9491145160	Member
4.	Dr.Vemula Vinod Goud. H.No. 6-156, Sridurga Estates, Deepthisri Nagar, Madinaguda, Hyderabad-500049. Ph:9440386945	Member
5.	Prof.A.Panasa Reddy, H.No. 4-7-17/5/1, Raghavendra Nagar, Nacharam, Hyderabad-500076. Ph: 9849957268	Member
6.	Prof.B.Reddya Naik, Department of Zoology, University College of Science, Osmania University, Hyderabad-500007. Ph: 9290491044	Member
7.	Shri Suresh, B-106, Vertex prime, Nizampet Road, Kukatpalli, Hyderabad. Ph: 9177037785	Member

After general introductory remarks by the Chairman, SEAC, the Committee took up items agenda-wise. The decisions of the SEAC on each case are recorded below.

Minutes of the SEAC Meeting held on 31.12.2020

DECLARATION

It is hereby declared that the Chairman and members of SEAC, T.S., do not have conflict of interest with any project proponent pertaining to the items discussed in the SEAC meeting held on 31.12.2020.

S. No.	Name of the Expert	Signature
1.	Prof.Ch.Krishna Reddy	Sd/-
2.	Dr.K.Shivakumar,	Sd/-
3.	Dr.Vemula Vinod Goud	Sd/-
4.	Shri Ravindra Samaya Mantri	Sd/-
5.	Prof.A.Panasa Reddy	Sd/-
6.	Prof.B.Reddya Naik	Sd/-
7.	Shri Suresh	Sd/-

Agenda Item No. 01	M/s. Srivathsa Life Sciences Private Limited, Sy.No. 172, Anantharam (V), Gummadidala (M), Sangareddy District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/174158/2020 (EC/Expansion)

The representative of the project proponent Sri B.S.K Raju; and Sri Kushal Bhodhankar of M/s. KKB Envirocare Consultants Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

The industry was esbalished in the year 1988 and later the proponent acquired the assests in the year 2008.

The SEAC noted that proponent obtained CFE on 02.03.2016 for manufucture of Bulk Drug Intermediates.

The proponent obtained latest CFO vide order dt.14.06.2016 from TSPCB and the unit is operating.

The prpoponent submitted Self-compliance Report for conditions stipulated in CFO.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 72.0 TPA to 335.4 TPA.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Expansion as follows:

Total area is 0.65 Ha. out of which Green area is 0.247 Ha (37.6%).

Nearest human habitation is Anantaram @ 1.34 km; Pond near Anantaram @1.14 km; Nearest RF is Nawabpet RF @ 0.3 km from the industry.

Project Cost for proposed expansion is Rs. 13.44 Crores including existing Rs.6.3 Crores. Budget for Environmental protection towards Capital Cost is Rs. 294.0 lakhsand Recurring Cost is Rs.406.0 Lakhs/annum. Budget for CER is Rs. 7.14 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	4-Nitro-2,3-Dimethyl Pyridine N-Oxide	53.33	1.60
2	p-ChlorobenzhydrylPiperazine	50	1.50
3	1-(4-Methoxyphenyl)-4-(4-Nitrophenyl) Piperazine	63.33	1.90
4	Formamidine Acetate	16.67	0.50
5	Avobenzone	16.67	0.50
6	Triethylbenzyl Ammonium Chloride	200	6.00
7	4,5-Dichlorobenzene-1,3-disulphonamide	6.67	0.20
8	Succinyl-S-Phytyl- L-Cysteine Sodium salt	20	0.60
9	Diethyl hexyl butamidetriazine(DHBT)	70	2.10
10	Ethyl-9-oxo-9H-thioxanthene-2-carboxylate(9-OXO)	4.17	0.13
11	1,3,5-Para Amino-2-ethylhexyl benzoate-2,4,6-triazine(Etone)	90	2.70
12	PirocloneOlamine	200	6.00
13	4-(3,4-Dichloro phenyl)-1,2,3,4-tetrahydro-N-methyl-1-naphthalinamine Hydrochloride	36.67	1.10

CHAIRMAN, SEAC

S.No	Name of Product	Capacity	
		Kg/day	TPM
14	Cis-Bromobenzoate	103.33	3.10
15	Ethyl Bromide	200	6.00
16	Tamsulosin Hydrochloride	1.67	0.05
17	7-Acetoxy-4-methyl coumarin	50	1.50
18	5-Hydroxy-1H-Indazole	6.67	0.20
19	Ethyl-2,4-dihydroxy-6-methyl nicotinate	46.67	1.40
20	2-Chloro-5-bromo benzoic acid	80	2.40
21	5-Bromo-1H-indazole	30	0.90
22	Meldrum's acid	33.33	1.00
23	Hydroxychloroquine Sulfate	16.67	0.50
24	ChloroquineDiphosphate	16.67	0.50
25	Azithromycin	16.67	0.50
26	Montelukast Sodium	6.67	0.20
27	Gabapentin	16.67	0.50
28	Oseltamivir Phosphate	33.33	1.00
29	Lopinavir	33.33	1.00
30	Topiramate	33.33	1.00
31	Clopidogrel Hydrogen Bisulfate	16.67	0.50
32	Minoxidil	33.33	1.00
33	Chlorphenesin (Cosvat)	33.33	1.00
34	N-Benzhydrylpiperazine	33.33	1.00
35	Sertraline Hydrochloride	33.33	1.00
36	Itraconazole	33.33	1.00
37	Telmisartan	16.67	0.50
38	Pantoprazole Sodium Sesquihydrate	16.67	0.50
39	OlmesartanMedoxomil	16.67	0.50
40	Fluconazole	26.67	0.80
41	Tranexamic Acid	133.33	4.00
42	Allopurinol	33.33	1.00
43	9-Benzyl-9-azabicyclo[3.3.1] nonan-3-one	66.67	2.00
44	CiclopiroxOlamine	33.33	1.00
Maximum 6 Products		**926.67**	**27.80**
R&D Products		**5**	**0.15**
Production Capacity (Maximum 6 campaign Products at any given point of time out of total 44 Products along with R & D Products)		**931.67**	**27.95**

Details of Utilities, Stacks & Air pollution control equipments after expansion:

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Existing: 1x2 TPH Proposed: 1x3TPH	 30 m 30 m	 Multicyclone / bag filter Multicyclone / bag filter
2	**Thermic fluid heater (Furnace oil) :** **Proposed: 1 Lakh K.cal/hr&** **2 Lakh K.cal/hr**	 30 m 30 m	--
3	**DG Sets:** Existing: 1x125 KVA Proposed : 1x250 KVA& 1x500 KVA	 Adequate height	 Acoustic enclosure

The **process emissions** containing Hydrogen Chloride, Sulphur dioxide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Nitrogen, Oxygen gas are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen, n-Butane isdiffused with Flame Arrestor.

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Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	29.5	-	29.5
2	Washings	25	-	25
3	QC & R& D	3	-	3
4	Scrubber	3	-	3
5	Boiler Feed	21 (20% Make up)	3	24
6	Cooling Tower	-	63	63
7	Domestic	8		8
8	Gardening	3	-	3
	Total	**92.5**	**66**	**158.5**

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	28.6	-	28.6	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up.
2	Washings	-	25	25	
3	QC and R&D Lab	-	3	3	
4	Boiler blow down	-	4	4	
5	Cooling tower bleed of	-	5.3	5.3	
6	Scrubber	3	-	3	
7	Domestic	-	6.4	6.4	
Total :		**31.6**	**43.7**	**75.3**	

Details of Solid Waste after expansion:

S. No	Description	Quantity	Disposal
1.	Organic residue from Process	1.1 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2.	Distillation Bottom Residue	0.3 KLD	
3	Spent carbon (Dry)	0.03 TPD	
4.	Inorganic & Evaporation salt (Process)	3.1 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
5.	Evaporation Salts non-process	0.6 TPD	
6.	ETP Sludge	0.2 TPD	
7.	Boiler ash	8 TPD	Sold to Cement Brick Manufacturers
8.	Container and Container Liners	3000 (No's/month)	Disposed to SPCB Authorized agencies after complete detoxification
	HDPE Carboys	2000 (No's/month)	
	Fiber Drums	1000 kg/month	
	PP Bags	1000 (Kg/month)	
9.	Spent Mixed solvents	3 KLD	Sent to SPCB Authorized agencies
10.	Spent Catalyst	0.16 TPD	Sent to suppliers on buy back basis
11.	Waste oils & Grease	2 KL/annum	Sent to SPCB Authorized agencies for reprocessing
12.	Used Lead acid Batteries	50 Nos. / annum	Sent to suppliers on buy-back basis.
13.	Misc. Waste (spill control waste)	Lumpsum	TSDF
14.	Rejects	Lumpsum	

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S. No	Description	Quantity	Disposal
15.	E- waste	Lumpsum	Authorized re-processor or TSDF
16.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
17.	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
18	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 02	**M/s. Louis Pharmaceuticals Private Limited, Sy.Nos. 262/3 (new), 376/2 (old), 256 A, 256/A/3/2, 262/4, and 257/B/2, Nawabpet (V), Shivampet (M), Medak District. - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/174076/2020 (EC/Expansion)**

The representative of the project proponent Sri T. Ramesh Kumar; and Sri Kushal Bhodhankar of M/s. KKB Envirocare Consultants Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

The industry was established in the year 2004.

The SEAC noted that proponent obtained CFE (CPM) on 25.11.2014 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.18.01.2018 of TSPCB valid upto 30.11.2020.

The proponent submitted Self-compliance Report for conditions stipulated in CFO.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms.No. 24, dt.24.04.2019.of the EFS&T Dept., GoAP.

Now, the proponent is proposing expansion of the project from 7.2 TPA to 577.8 TPA.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Expansion as follows:

Total area is 1.66 Ha, out of which Green area is 0.5755 Ha developed for greenbelt (34.69%).

Nearest human habitation is Nawabpet(V) @ 1.37km; Nearest water body is Pond near Nawabpet @ 1.11km; Nearest RF is Nawapet RF @ 0.5 km from the industry.

Project Cost for proposed expansion is Rs. 20.97Crores including existing Rs.8.4 Crores. Budget for Environmental protection for expansion towards Capital Cost is Rs. 130 lakhsand Recurring Cost is Rs. 323Lakhs/annum. Budget for CER is Rs. 12.57 lakhs in first 5 years.
The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	1,5-Pentanediol Diacrylate	3.33	0.1
2	1-O-Acetyl-2,3,5-tri-O-benzoyl-beta-D-Ribofuranose	3.33	0.1

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S.No	Name of Product	Capacity	
		Kg/day	TPM
3	2,3:4,5-Bis-O-(1-Methylethylidine)-fructopyranoseazido sulfate	500.00	15
4	2,4-Diamino-6-hydroxy-pyrimidine	100.00	3
5	2-Chloro-4,6-Dimethoxy-1,3,5-triazine	100.00	3
6	3-(2-Chloroethyl)-9-hydroxy-2-methyl-6,7,8,9-tetrahydro-pyrido(1,2-a)pyrimidine-4-one	1.67	0.05
7	3-(1-Piperazinyl)-1,2-benzisothiazole	25.00	0.75
8	3-Acetylpyridine	100.00	3
9	3-Chloro-1,2-benzisothiazole	100.00	3
10	3-Nitrobenzaldehyde	100.00	3
11	3-Piperazin-1-yl-1,2-benzisothiazole Hydrochloride	16.67	0.5
12	4-(4-Chlorobutyl)pyridine Hydrochloride	0.83	0.025
13	4-[1-[(2,4-Diamino-6-pteridinyl) methyl]-3-butynyl]benzoic acid	1.67	0.05
14	4-[2-(2-Amino-4,7-dihydro-4-oxo-1H-pyrrol[2,3-d]pyrimodine-5-yl)ethyl] benzoic acid	1.67	0.05
15	4-1-(2,3-Dimethylphenyl) vinyl-1h-imidazole Hydrochloride	0.10	0.003
16	5-Azacytosine	100.00	3
17	6-Fluoro-3(4-piperinyl)-1,2-benzisoxaole	3.33	0.1
18	9-Bromo-1-nonanediol	3.33	0.1
19	α,α-Dibromo-p-Xylene	16.67	0.5
20	Atracurium Besylate Crude	3.33	0.1
21	Atracurium Besylate	1.67	0.05
22	Pentamethylene bis(1-(3,4-dimethoxybenzyl)-3,4-dihydro-6,7-dimethoxy-1H-isoquinoline-2-propionate) dioxalate (Atracurium oxalate Crude)	3.33	0.1
23	Cis-Atracurium Besylate	1.00	0.03
24	Cyclam (1,4,8,11-Tetraazacyclo tetradecane)	1.67	0 05
25	Dalteparin Sodium Crude	0.83	0.025
26	Dalteparin Sodium	1.67	0.05
27	Dehydroepiandrosterone Acetate (DHEA Acetate)	3.33	0.1
28	Dehydroepiandrosterone (DHEA)	4.00	0.12
29	Dexmedetomidine Hydrochloride	0.17	0.005
30	Dexrazoxane Hydrochloride	0.17	0.005
31	Enoxaparin Sodium	4.00	0.12
32	Enoxaparin Sodium Crude	3.33	0.1
33	GlucosaminoGlycons	83.33	2.5
34	Heparin Sodium	3.33	0.1
35	Levothyroxine Sodium	3.33	0.1
36	L-Valine methyl ester Hydrochloride	500.00	15
37	Methyl-4-Bromobenzoate	33.33	1
38	Methyl-4-(5-(4-(pentyloxy)phenyl) isoxazol-3-yl)benzoate	0.33	0.01
39	Morpholinyl Pyrrolidinyl Androstane	16.67	0.5
40	N-Acetylimidazole	33.33	1
41	(1R,1'R)-2,2'-(3,11-Dioxo-4,10-dioxatri decamethylene)-bis-(1,2,3,4-tetrahydro-6,7-dimethoxy-1-veratrylisoquindline) dioxalate	3.33	0.1
42	Rocuronium Bromide Crude	5.00	0.15
43	Rocuronium Bromide	3.33	0.1
44	Tirofiban Hydrochloride	0.17	0.005
45	Vecuronium Bromide	1.67	0.05
46	Topiramate	66.67	2
47	OlmesartanMedoxomil	8.33	0.25
48	Telmisartan	16.67	0.5

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S.No	Name of Product	Capacity	
		Kg/day	TPM
49	Valsartan	10.00	0.3
50	Sumatriptan Succinate	6.67	0.2
51	Eletriptan Hydrobromide	6.67	0.2
52	Lopinavir	3.33	0.1
53	Solifenacin Succinate	1.67	0.05
54	Amisulpride	1.67	0.05
55	Bis-(4-methoxy phenyl) iodonium Bromide	1.67	0.05
56	1,4-Butane Sultone	3.33	0.1
57	(S)-(-)-1,2-Diaminopropane Dihydrochloride	6.67	0.2
58	2,4-Diamino-6-hydroxypyrimidine	1.67	0.05
59	3,5-Diiodo-L-Tyrosine	3.33	0.1
60	4-(5-(4-(Pentyloxy)phenyl)-3-isoxazolyl) benzoic acid	3.33	0.1
61	4-[1-[2,4-Diamino-6-pteridinyl) methyl]-3-butyn-1-yl]-benzoic acid	3.33	0.1
62	1,2,3,5-Tetra-O-acetyl-β-D-ribofuranose	1.67	0.05
63	N-(Butanesulfonyl)-O-(4-(4-pyridyl)butyl)-(L)-tyrosine methyl ester	3.33	0.1
64	3-Pyridyl acetic acid Hydrochloride	1.67	0.05
65	4-(Chloromethyl)-5-methyl-1,3-dioxol-2-one	6.67	0.2
66	2,6-Dichloropurine	3.33	0.1
Maximum production capacity 8 campaign products at any point of time		**1600**	**48**
R& D products		5	**0.15**
Total production capacity: 8 campaign products at any point of time + R&D products		**1605**	**48.15**

Details of Utilities, Stacks & Air pollution control equipments after expansion:

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Existing: 1 TPH Oil fired (standby) Proposed: 2x 4 TPH Coal fired	30 m 30 m	Multicyclone / bag filter
2	**Thermic fluid heater** 2 lakh Kcal/hr Oil fired	30 m	
3	**DG Sets:** Existing: 1x250 KVA Proposed : 2 x 500 KVA 1x160 KVA 1x65 KVA	Adequate height	Acoustic enclosure

The **process emissions** containing Hydrogen Chloride, Hydrogen Fluoride, Ammonia, Hydrogen Iodide, Sulphur Dioxide, Hydrogen Bromide&Dimethylamineare to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygenare to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen isdiffused with Flame Arrestor.

CHAIRMAN, SEAC

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	21.2	-	21.2
2	Washings	25	-	25
3	QC & R& D	3	-	3
4	Scrubber	6	-	6
5	Boiler Feed	36	3	39
6	Cooling Tower	-	60	60
7	Domestic	6	-	6
8	Gardening	7	-	7
	Total	**104.2**	**63**	**167.2**

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	21.5	-	21.5	Zero Liquid Discharge System i.e., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & R.O. Treated effluent to be reused in cooling towers, Boiler make-up.
2	Washings	-	25	25	
3	QC and R&D Lab	-	3	3	
4	Boiler blow down	-	6.4	6.4	
5	Cooling tower bleed of	-	5	5	
6	Scrubber	6	-	6	
7	Domestic	-	4.8	4.8	
Total :		**27.5**	**44.2**	**71.7**	

Details of Solid Waste after expansion:

Sl. No.	Description	Quantity	Mode of Disposal
1.	Organic residue	0.33 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2.	Spent Carbon	0.09 TPD	
3.	Distillation Bottom Residue	0.15 TPD	
4.	Inorganic & Evaporation salt (Process)	1.15 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
5.	Evaporation salt (Non-process)	0.94 TPD	
6.	ETP Sludge	0.16 TPD	
7.	Boiler Ash	12.8 TPD	Sold to Cement Brick Manufacturers
8.	Container and Container Liners	1000 (No's/month)	Disposed to SPCB Authorized agencies after complete detoxification
	HDPE Carboys	1000 (No's/month)	
	Fiber Drums	500 kg/month	
	PP Bags	500 (Kg/month)	
9.	Spent Mixed solvents	1.8 KLD	Sent to SPCB Authorized agencies
10.	Spent Catalyst	0.003 TPD	Sent to suppliers on buy back basis
11.	Waste oils & Grease	2 KL /annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
12.	Used Lead acid Batteries	50 No's/Annum	Sent to suppliers on buy-back basis.
13.	Misc. Waste (spill control waste)	Lumpsum	TSDF
14.	Rejects	Lumpsum	
15.	E- waste	Lumpsum	Authorized re-processor or TSDF
16.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
17.	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
18.	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator

After detail discussions, the SEAC recommended the project for issue of EC.

CHAIRMAN, SEAC

Agenda Item No. 03	M/s. Raghava Life Sciences Private Limited, Unit-I, Sy.No.888 & 901, Jangampalle (V), Bhiknoor (M), Kamareddy District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/175235/2020 (EC/Expansion)

The representative of the project proponent Sri P. Ravindra Reddy; and Sri Kushal Bhodhankar of M/s. KKB Envirocare Consultants Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

EC obtained on dt.16-01-2013from the MoE&F, GoI for the existing unit in the name of M/s. Maa Laboratories PrivateLimited.

The SEAC noted that proponent obtained CFE on 24.09.2013 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.31.08.2019 of TSPCB valid upto 28.02.2023.

Subsequently, the proponent acquired assets of M/s. Maa Laboratories in 2018 and the was transferred by MoEF&CC, GoI. on 06.11.2019 from Maa Laboratories to M/s. Raghava Life Sciences Private Limited.

The proponent submitted Self-compliance Report for conditions stipulated in CFO & EC.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 151.2 TPA to 517.8 TPA.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Expansion as follows:

Total area is 3.642 Ha, out of which Green area is 1.457 Ha (40%).

Nearest human habitation is Jangampally @ 1.46 km; Pond near Jangampally @ 1.63 km (NE); Nearest RF is Bhiknoor RF @ 4.56 km from the industry.

Project Cost for proposed expansion is Rs. 114.67Crores including existing Rs.32.45Crores. Budget for Environmental protection towards Capital Cost is Rs. 1320 lakhsincluding existing Rs. 1.2 croresand Recurring Cost is Rs. 1772Lakhs/annum. Budget for CER is Rs. 82 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Levetiracetam	166.67	5.00
2	Brivaracetam	233.33	7.00
3	Montelukast Sodium	233.33	7.00
4	L-2-Aminobutanamide Hydrochloride	166.67	5.00
5	N-Methyl-o-phenylenediaminedihydrochloride	100	3.00
6	Vildagliptin	200	6.00
7	Linagliptin	233.33	7.00
8	Mirabegron	100	3.00
9	TrientineDihydrochloride	16.67	0.50

CHAIRMAN, SEAC

S.No	Name of Product	Capacity	
		Kg/day	TPM
10	DarifenacinHydrobromide	16.67	0.50
11	Apixaban	100	3.00
12	3-Morpholino-1-(4-nitrophenyl)-5,6-dihydropyridin-2(1H)-one	100	3.00
13	(E)-Ethyl-2-chloro-2-(2-(4-methoxyphenyl)hydrazono) acetate	66.67	2.00
14	Bilastine	66.67	2.00
15	Favipiravir	133.33	4.00
16	Rivaroxaban	100	3.00
17	(S)-2-(Oxiran-2-yl-methyl) isoindoline-1,3-dione	16.67	0.50
18	4-(4-Aminophenyl)morpholin-3-one	10	0.30
19	Lacosamide	233.33	7.00
20	2-(Chloromethyl)-4-methyl quinazoline	33.33	1.00
21	4,6-Dichloro-5-amino-2-(propylthio)pyrimidine	10	0.30
22	S-Pyrrolidine-2-carboxamide	66.67	2.00
23	Methyl 2-(4-(2-chloroethyl) phenyl)-2-methylpropanoate	16.67	0.50
24	1-(2-Ethoxyethyl)-2-(piperidin-4-yl)-1H-benzo[d]imidazole Hydrochloride	33.33	1.00
25	6-Bromo-3-hydroxypyrazine-2-carboxamide	300	9.00
26	8-Bromo-7-(but-2-yn-1-yl)-3-methyl-1H-purine-2,6-(3H,7H)-dione	33.33	1.00
27	3-Amino-1-adamantanol	66.67	2.00
28	(S)-1-(2-Chloroacetyl) pyrrolidine-2-carbonitrile	66.67	2.00
29	R & D	5	0.15
Production Capacity (Maximum 6 Products at any given point of time out of total 28 Products along with R & D Products)		**1438.33**	**43.15**

Details of Utilities, Stacks & Air pollution control equipments after expansion:

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Existing: 2 TPH (standby) Proposed: 2x6 TPH 5 TPH (standby)	30 m 30 m 30 m	Multicyclone / bag filter Multicyclone / bag filter Multicyclone / bag filter
2	**Thermic fluid heater- Existing:** 2 lakh Kcal/hr (coal fired) (stand-by) Proposed: 2 lakh Kcal/hr (coal fired)	30 m 30 m	
3	**DG Sets:** Existing: 320 KVA Proposed : 1000 KVA & 500 KVA	Adequate height	Acoustic enclosure

The **process emissions** containing Hydrogen Chloride, Sulphur dioxide, Ammonia & Hydrogen Bromide are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Oxygen gas are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen is diffused with Flame Arrestor.

CHAIRMAN, SEAC

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	85.7	-	85.7
2	Washings	25	-	25
3	QC & R& D	5	-	5
4	Scrubber	10	-	10
5	Boiler Feed	48 (make up)	-	48
6	Cooling Tower	10 (make up)	152	162
7	Domestic	15		15
8	Gardening	18	-	18
	Total	**216.7**	**152**	**368.7**

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	99.51	-	99.51	Zero Liquid Discharge System i.e., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers.
2	Washings	-	25	25	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	8	8	
5	Cooling tower bleed of	-	18	18	
6	Scrubber	10	-	10	
7	Domestic	-	12	12	
Total :		**109.51**	**68**	**177.51**	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1.	Organic residue	3.7 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2.	Spent Carbon	0.31 TPD	
3.	Spent Activated Carbon from Activated Carbon Filter	1.5 TPM	
4.	Distillation Bottom Residue	2.5 TPD	
5.	Inorganic & Evaporation salt (Process)	11.9 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
6.	Evaporation salt (Non-process)	1.62 TPD	
7.	ETP Sludge	0.8 TPD	
8.	Boiler Ash	19.6 TPD	Sold to Cement Brick Manufacturers
9.	Container and Container Liners	1200 (No's/month)	Disposed to SPCB Authorized agencies after complete detoxification
	HDPE Carboys	1000 (No's/month)	
	Fiber Drums	500 kg/month	
	PP Bags	1000 (Kg/month)	
10.	Spent Mixed solvents	27KLD	Sent to SPCB Authorized agencies
11.	Spent Catalyst	0.152 TPD	Sent to suppliers on buy back basis
12.	Waste oils & Grease	3.5 KL /annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
13.	Used Lead acid Batteries	80 No's/Annum	Sent to suppliers on buy-back basis.
14.	Misc. Waste (spill control waste)	Lumpsum	TSDF
15.	Rejects	Lumpsum	
16.	E- waste	Lumpsum	Authorized re-processor or TSDF
17.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
18.	Canteen waste	Lumpsum	Composted on site and reused for Greenbelt

CHAIRMAN, SEAC

S.No	Description	Quantity	Mode of Disposal
19.	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
20.	Non Hazardous waste – Used PPE	3 TPA	Sent to SPCB Authorized Cement industries/ Authorized AFRF industries/ TSDF/GEPIL
21	Insulation/Glass wool waste	2 TPA	To outside parties
22.	Waste MS/ Aluminium Plastic scrap	4 TPA	Scrap vendors
23.	Paper waste & Misc.	0.5 TPD	Scrap vendors

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 04	**M/s. Raghava Life Sciences Private Limited, Unit-II,Sy.Nos.543, 543A, 589, 590/1, 592, 638, 639, 639/2, 640, 640/A/1, 641, 642, 643 and 645 in Bhiknoor (V), Bhiknoor (M), Kamareddy District. - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/175194/2020 (EC)**

The representative of the project proponent Sri P. Ravindra Reddy; and Sri Kushal Bhodhankar of M/s. KKB Envirocare Consultants Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that the proposal is for established of API manufacturing unit.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019, of the EFS&T Dept., GoTS.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Establishment as follows:

Total area is 6.59 Ha, out of which Green area is 2.31Ha (35%).

Nearest human habitation is Baswapuram Village @ 2.16km; Nearest water body is Pond near Maulupalli@ 0.76 km; Nearest RF is Bhiknoor RF/ Baswapuram RF @ 4.04 km from the industry.

Project Cost for proposed project is Rs. 220 Crores. Budget for Environmental protection towards Capital Cost is Rs. 1275 lakhsand Recurring Cost is Rs. 1690 Lakhs/annum. Budget for CER is Rs. 3.3 Crores in first 5 years.

The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	**Levetriacetam**	**333.33**	10.00
2	**Linagliptin**	**333.33**	10.00
3	**Mirabegron**	**400**	12.00
4	**Rabamipide**	**666.67**	20.00
5	**DarifenacineHydrobromide**	**333.33**	10.00
6	Dapagliflozin	166.67	5.00
7	Empagliflozin	133.33	4.00
8	Hydroxychloroquine Sulfate	166.67	5.00
9	Favipiravir	233.33	7.00
10	Febuxostat	266.67	8.00

CHAIRMAN, SEAC

S.No	Name of Product	Capacity	
		Kg/day	TPM
11	**Oseltamivir Phosphate**	**333.33**	**10.00**
12	**Sumatriptan Succinate**	**333.33**	**10.00**
13	**L-2-Aminobutanamide Hydrochloride (Levetiracetam Intermediate)**	**300**	9.00
14	(Z)-2-Amino-α-(methoxyimmo)-4-thiazoleethanethioic Acid S-2-Benzothiazolyl Ester (MEAM)	**166.67**	5.00
15	N-Methyl-o-phenylenediaminedihydrochloride	300	9.00
16	4,7-Dichloroquinoline	100	3.00
17	2-(4-Aminopentyl(ethyl)amino) ethanol	100	3.00
18	2-(Chloromethyl)-4-methyl quinazoline	**100**	3.00
19	(2-Amino-4-thiazoyl)acetic acid Hydrochloride	66.67	2.00
20	4,6-Dichloro-5-amino-2-(propylthio)pyrimidine	66.67	2.00
21	6-Bromo-3-hydroxypyrazine-2-carboxamide	266.67	8.00
22	8-Bromo-7-(but-2-yn-1-yl)-3-methyl-1H-purine-2,6-(3H,7H)-dione	166.67	5.00
Maximum 8 Products		**3033.33**	**91.00**
R&D Products		**5**	**0.15**
Production Capacity (Maximum 8 Products at any given point of time out of total 22 Products along with R & D Products)		**3038.33**	**91.15**

Details of Utilities, Stacks & Air pollution control equipment's:

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Proposed: 1x10 TPH 1x6 TPH 1x6 TPH (standby)	 32 m 30 m 30 m	 Multicyclone / bag filter Multicyclone / bag filter Multicyclone / bag filter
2	**Thermic fluid heater- Proposed:** 4 lakh Kcal/hr (Diesel fired)	30 m	--
3	**DG Sets:** Proposed : 2 x 1000 KVA	Adequate height	Acoustic enclosure

The **process emissions** containing Hydrogen Chloride, Sulphur dioxide, Ammonia & Hydrogen Bromide are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen is diluted with Nitrogen anddiffused with Flame Arrestor.

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	135	-	135
2	Washings	30	-	30
3	QC & R& D	3	-	3
4	Scrubber	14	-	14
5	Boiler Feed	64(make up)	-	64
6	Cooling Tower	-	216	216
7	Domestic	20	10 (for flushing)	30
8	Gardening	30	-	30
	Total	**296**	**226**	**522**

CHAIRMAN, SEAC

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	156	-	156	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO. Treated effluent to be reused in cooling towers.
2	Washings	-	30	30	
3	QC and R&D Lab	-	3	3	
4	Boiler blow down	-	8	8	
5	Cooling tower bleed of	-	22	22	
6	Scrubber	12	-	12	
7	Domestic	-	25	25	
Total :		168	88	256	

Details of Solid Waste:

S.No	Description	Quantity	Mode of Disposal
1.	Organic residue	6.481 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2.	Spent Carbon	0.257 TPD	
3.	Distillation Bottom Residue	3.5 TPD	
4.	Inorganic & Evaporation salt (Process)	16.12 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
5.	Evaporation salt (Non-process)	2.5 TPD	
6.	ETP Sludge	1.0 TPD	
7.	Boiler Ash	25.6 TPD	Sold to Cement Brick Manufacturers
8.	a) Detoxified Container / Liners drums, HDPE Carboys, Fiber drums	1000 Nos./ month	Disposed to SPCB Authorized agencies after complete detoxification
	b) PP Bags	1000 Kg/month	
9.	Spent Mixed solvents	25 KLD	Sent to SPCB Authorized agencies
10.	Spent Catalyst (Raney Nickel and Palladium Carbon)	0.09 TPD	Sent to suppliers on buy back basis
11.	Waste oils & Grease	5 KL /annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
12.	Used Lead acid Batteries	80 No's/Annum	Sent to suppliers on buy-back basis.
13.	Misc. Waste (spill control waste)	Lumpsum	TSDF
14.	Rejects	Lumpsum	
15.	E- waste	Lumpsum	Authorized re-processor or TSDF
16.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
17.	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
18.	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 05	**M/s. Raghava Life Sciences Private Limited, Unit-III, Sy.Nos. 510A/4, 511/A/1, 513/A1/1, 513/E1/1, 510/A/5, 511/A/5, 513/E/2, 513/E1/1 and 509/F/1 Panthangi (V), Choutuppal (M), Yadadri-Bhuvanagiri District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/175237/2020 (EC)**

The representative of the project proponent Sri P. Ravindra Reddy; and Sri Kushal Bhodhankar of M/s. KKB Envirocare Consultants Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

CHAIRMAN, SEAC

The SEAC noted that the proposal is for established of API manufacturing unit

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Establishment as follows:

Total area is 5.51 Ha, out of which Green area is 1.83 Ha (33.1%).

Nearest human habitation is Aregudam Village @ 2.04km; a Vagu flows @ 1.94 km, Bairavani cheruvu @ 2.27 km; Nearest RF is Chauttuppal RF @ 5.38 km from the industry.

Project Cost for proposed expansion is Rs. 300 Crores. Budget for Environmental protection towards Capital Cost is Rs. 2290 lakhsand Recurring Cost is Rs. 2625 Lakhs/annum. Budget for CER is Rs. 450 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Brivaracetam	33.33	1.00
2	Montelukast Sodium	233.33	7.00
3	Gabapentin	33.33	1.00
4	Pregabalin	16	0.48
5	Pantoprazole Sodium Sesquihydrate	16.67	0.50
6	N-Methyl-o-phenylenediamine dihydrochloride (TelmisartanIntermediate)	100	3.00
7	Vildagliptin	200	6.00
8	TrientineDihydrochloride	16.67	0.50
9	Rebamipide	23.33	0.70
10	Apixaban	100	3.00
11	3-Morpholino-1-(4-nitrophenyl)-5,6-dihydropyridin-2(1H)-one (Apixaban intermediate)	100	3.00
12	(E)-Ethyl-2-chloro-2-(2-(4-methoxyphenyl)hydrazono)acetate	66.67	2.00
13	Bilastine	66.67	2.00
14	Rivaroxaban	100	3.00
15	(S)-2-(Oxiran-2-yl-methyl) isoindoline-1,3-dione	16.67	0.50
16	4-(4-Aminophenyl)morpholin-3- one (Rivaroxaban Intermediate)	10	0.30
17	Lacosamide	233.33	7.00
18	S-Pyrrolidine-2-carboxamide	66.67	2.00
19	Methyl 2-(4-(2-chloroethyl) phenyl)-2-methylpropanoate	16.67	0.50
20	1-(2-Ethoxyethyl)-2-(piperidin-4-yl)-1H-benzo[d]imidazoleHydrochloride (Bilastineintermediate)	33.33	1.00
21	3-Amino-1-admantanol	33.33	1.00
22	(S)-1-(2-Chloroacetyl) pyrrolidine-2-carbonitrile	233.33	7.00
23	Mebendazole	33.33	1.00
Maximum 8 Products		**2733.33**	**82**
R&D Products		**5**	**0.15**
Production Capacity (Maximum 8 Products at any given point of time out of total 23 Products along with R & D Products)		**2738.33**	**82.15**

CHAIRMAN, SEAC

Details of Utilities, Stacks & Air pollution control equipment's:

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Proposed: 1x15 TPH 1x6 TPH (standby)	 40 m 30 m	 Multicyclone / bag filter Multicyclone / bag filter
2	**Thermic fluid heater-** **Proposed:**6 lakh Kcal/hr(coal fired)	30 m	--
3	**DG Sets:** Proposed : 2 x 1000 KVA	Adequate height	Acoustic enclosure

The **process emissions** containing Hydrogen Chloride, Sulphur dioxide & Ammonia are to be routed through Multi Stage Scrubber system, The process emissions containing derivatives of Carbon dioxide, Oxygen & Nitrogen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen is diluted with Nitrogen anddiffused with Flame Arrestor.

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	126.63	-	126.63
2	Washings	30	-	30
3	QC & R& D	5	-	5
4	Scrubber	12	-	12
5	Boiler Feed	60 (make up)	-	60
6	Cooling Tower	-	240	240
7	Domestic	40	-	40
8	Gardening	21	-	21
	Total	**294.63**	**240**	**534.63**

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	150.37	-	150.37	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers.
2	Washings	-	30	30	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	12	12	
5	Cooling tower bleed of	-	30	30	
6	Scrubber	12	-	12	
7	Domestic	-	35	35	
Total :		**162.37**	**112**	**274.37**	

Details of Solid Waste:

S.No	Description	Quantity	Mode of Disposal
1.	Organic residue	7.3 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2.	Spent Carbon (dry)	0.47 TPD	
3.	Distillation Bottom Residue	3.5 TPD	
4.	Inorganic & Evaporation salt (Process)	18.7 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
5.	Evaporation salt (Non-process)	3.5 TPD	
6.	ETP Sludge	2.0 TPD	

CHAIRMAN, SEAC

S.No	Description	Quantity	Mode of Disposal
7.	Boiler Ash	25.6 TPD	Sold to Cement Brick Manufacturers
9.	a) Detoxified Container / Liners drums, HDPE Carboys, Fiber drums	1000 Nos./ month	Disposed to SPCB Authorized agencies after complete detoxification
	b) PP Bags	1000 Kg/month	
10.	Spent Mixed solvents	35 KLD	Sent to SPCB Authorized agencies
11.	Spent Catalyst	0.031 TPD	Sent to suppliers on buy back basis
12.	Waste oils & Grease	3 KL /annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
13.	Used Lead acid Batteries	80 No's/Annum	Sent to suppliers on buy-back basis.
14.	Misc. Waste (spill control waste)	Lumpsum	TSDF
15.	Rejects	Lumpsum	
16.	E- waste	Lumpsum	Authorized re-processor or TSDF
17.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
18.	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
19.	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator

During presentation the SEAC observed that a Stream flows at 40 mts (W) from the the mine lease area. Hence, keeping in view of the criteria / guidelines of the SEIAA, Telangana w.r.t Bulk Drug & Intermediates Industries, the SEAC recommended the project for inspection to find out the order of the stream.

Agenda Item No. 06	**M/s. Plasma Organics Pvt. Ltd., Sy. No. 225/AA, Gopalpur Village, M.Thurkapally Mandal, Yadadri Bhuvanagir District. - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/174392/2020 (EC)**

The representative of the project proponent Sri G. Manikyamraj; and Sri Y.V. Prasad of M/s. Rightsource Industrial Solutions Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that the proposal is for established of API manufacturing unit

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the proposedproject as follows:

Total area is **18210.90 Sqm**, out of which Green area is 7054.65Sqm (38.74 %).

Nearest human habitation is Gopalpur (V) @ 0.89 km; Nearest water body is Karkupatla @ 0.79km; Nearest RF is Gopalpur RF @ 0.10 km from the industry.

Project Cost for proposed project is **Rs. 14.55 Crores.** Budget for Environmental protection towards Capital Cost is Rs. 230 Lakhs and Recurring Cost is Rs. 29 Lakhs/annum. Budget for CER is Rs. 29.1Lakhs in first 5 years.

CHAIRMAN, SEAC

The details of Products, by-products & production capacity are as following:

List Of Proposed Products & Its Quantities

S. No	Product Name	Quantity	
		MT/Month	Kg/ Day
1	Apixaban	5.00	166.67
2	Citalopram Hydrobromide	20.00	666.67
3	Dexlansoprazole	5.00	166.67
4	Edoxaban	5.00	166.67
5	Escitalopram Oxalate	20.00	666.67
6	Esomeprazole Magnesium Trihydrate	30.00	1000.00
7	Lopinavir	20.00	666.67
8	Losartan potassium	20.00	666.67
9	Lurasidone hydrochloride	5.00	166.67
10	Metformin hydrochloride	60.00	2000.00
11	Monochloro acetic acid	10.00	333.33
12	Montelukast Sodium	20.00	666.67
13	Oseltamivir Phosphate	5.00	166.67
14	Paliperidone	3.00	100.00
15	Pantoprazole Sodium	30.00	1000.00
16	Pirfenidone	5.00	166.67
17	Ritonavir	20.00	666.67
18	Rivaroxaban	10.00	333.33
19	Trityl chloride	100.00	3333.33
20	Vardenafil	5.00	166.67
21	Piperazine Hexahydrate	300.00	10000.00
Total (Any four products will be manufactured at any given point of time)		**490.00**	**16333.33**

List Of By-Products & Its Quantities

S.No	Name of the product	Name of the By-Product	Quantity	
			Kg/Day	MT/Month
1	Apixaban	Potassium chloride	71.00	2.13
		Potassium bromide	113.50	3.41
		Phosphorous tri chloride	114.30	3.43
2	Dexlansoprazole	Tartaric acid	93.70	2.81
		Cumin hydroxide	85.10	2.55
3	Edoxaban	Triethylamine Hydrochloride	73.30	2.20
4	Escitalopram oxalate	Diparatoluyl D-Tartaric acid	1213.20	36.40
5	Lopinavir	Benzyl Alcohol	383.00	11.49
		Monosodium citrate	758.30	22.75
		Potassium chloride	613.80	18.41
		Monosodium citrate	652.30	19.57
6	Losartan Potassium	Succinimide	217.50	6.53
		Trityl alcohol	497.50	14.93
		Sodium bromide	196.60	5.90
7	Lurasidone hydrochloride	Methane Sulfonic acid	91.30	2.74
8	Mono Chloro acetic acid	Hydrochloric acid 20%	723.30	21.70
9	Oseltamivir Phosphate	Tert butyl chloride	48.50	1.46
10	Pantoprazole Sodium	Sodium Di hydrogen phosphate	1450.30	43.51
11	Ritonavir	Sodium acetate	383.10	11.49
		Boric acid	178.90	5.37
		4-Nitro phenol	418.90	12.57
		Sodium phosphate	136.50	4.10
12	Rivaroxaban	Potassium chloride	122.80	3.68
		Tri ethyl amine Hydrochloride	334.80	10.04
13	Trityl chloride	Acetic acid	718.30	21.55
14	Vardenafil	Triethylamine Hydrochloride-	86.10	2.58
		Acetic acid	37.30	1.12

CHAIRMAN, SEAC

Details of Utilities, Stacks & Air pollution control equipments:

S. No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boilers:** Proposed: 1x5 TPH; 1x3 TPH	30 30	Cyclone separator followed by suitable pack of Bag filters
2	**Thermic fluid heater:** Proposed: 1 x 4 Lakh K.cal/hr	11	Cyclone separator
3	**DG Sets:** Proposed: 2 x 250 KVA	Adequate height	Acoustic enclosure & Silencer

The **process emissions** containing Sulphur dioxide, Dimethylamine, Hydrogen Chloride, Hydrogen Bromide, Ammonia & Hydrogen Iodide are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen & Nitrogen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely diffused by using Nitrogen through Flame arrestor.

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	45.70	0.00	45.70
2	Washings	0.00	10.00	10.00
3	Boilers make up	24.00	23.00	47.00
4	Cooling towers make up	47.53	22.47	70.00
5	Scrubbing system	10.00	0.00	10.00
6	Domestic	0.00	4.50	4.50
7	Gardening	0.00	10.50	10.50
	Total	**127.23**	**70.47**	**197.70**

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	53.16	1.60	54.76	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	0.00	10.00	10.00	
3	Boilers Blow down	0.00	7.00	7.00	
4	Cooling towers Bleed off	0.00	7.50	7.50	
5	Scrubbing system	10.00	0.00	10.00	
6	Domestic	0.00	4.00	4.00	
Total:		**63.16**	**30.1**	**93.26**	

Details of Solid & Hazardous Waste:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	8797 Kg/Day	Shall be sent to Cement Industries
2	Spent Carbon	260 Kg/Day	
3	Solvent Distillation Residue	1083 Kg/Day	
4	Organic distillate from MEE Stripper	2140 Kg/Day	
5	Inorganic Solid Waste	3222 Kg/Day	Shall be sent to TSDF
6	MEE Salts	8070 Kg/Day	
7	ETP Sludge	240 Kg/Day	

CHAIRMAN, SEAC

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
8	Used Oils	100 Ltrs/Annum	Shall be sent to SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers/ Container liners	1500 No's / Month	After Detoxification shall be sent to SPCB authorized agencies.
10	Used Lead Acid Batteries	4 No's/ Annum	Send back to suppliers for buyback of New Batteries
11	Ash from boilers	9625 Kg/Day	Shall be sent to Brick Manufacturers

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 07	M/s. Vijaya Sai Laboratories India Pvt. Ltd., Sy. Nos.: 888, 889 & 901, Jangampally Village, Bhiknoor Mandal, Kamareddy District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/174545/2020 (EC/ Expansion)

The representative of the project proponent Sri K. Kondala Rao; and Sri Y.V. Prasad of M/s. Rightsource Industrial Solutions Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that proponent obtained EC from the MoEF&CC, GoI vide order dt. 22.03.2013 for existing unit.

The SEAC noted that proponent obtained CFE on 29.09.2018 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt. 24.12.2018 of TSPCB valid upto 30.09.2021.

The proponent submitted Self-compliance Report for conditions stipulated in CFO / EC.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 15 TPA to 94 TPA.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Expansion as follows:

Total area is 24402.54 Sqm, out of which Green area is 8644.85Sqm (35.43 %).

Nearest human habitation is Jangampally (V) @ 1.29 km; Nearest water body is Jangampalli Cheruvu @ 2.02km; Nearest RF is Bhiknur RF @ 5.08 km from the industry.

Project Cost for proposed expansion is Rs. 3.5 Crores. Budget for Environmental protection towards Capital Cost is Rs. 74 Lakhs and Recurring Cost is Rs. 22 Lakhs/annum. Budget for CER is Rs. 3.5 lakhs in first 5 years.

CHAIRMAN, SEAC

The details of Products, by-products & production capacity are as following:

List Of Proposed Products & Its Quantities

S. No	Product Name	Quantity	
		MT/Month	Kg/ Day
1	((5-thiazolyl) methyl)-(4-nitrophenyl) carbonate	1.00	33.33
2	(2, 4, 5-trifluorophenyl) acetic acid	1.00	33.33
3	(2R,3R,4R,5S,6S)-2-(acetoxymethyl)-6-(4-chloro-3-(4-(((R)-tetrahydrofuran-3-yl)oxy)benzyl)phenyl)tetrahydro-2H-pyran-3,4,5-triyl triacetate	0.30	10.00
4	(2R,3R,4R,5S,6S)-2-(acetoxymethyl)-6-(4-chloro-3-(4-ethoxybenzyl)phenyl)tetrahydro-2H-pyran-3,4,5-triyl triacetate	0.30	10.00
5	(E)-3-amino-3-imino-2-(phenyldiazenyl) propanamideHCl	0.20	6.67
6	(R)-2-((4-nitrophenethyl) amino)-1-phenylethan-1-ol	0.50	16.67
7	(R)-2-(1-methyl-2-tritylisoindolin-5-yl)-1,3,6,2-dioxazaborocane	0.20	6.67
8	(S)-1-tritylpyrrolidine-2-carbaldehyde	0.20	6.67
9	(S, Z)-5-Amino-2-(dibenzylamino)-1, 6-diphenylhex-4-en-3-one	10.00	333.33
10	1,2-dimethoxyethane	40.00	1333.33
11	1,5-Pentane diol	0.10	3.33
12	1-Bromo-2-pentyn	1.00	33.33
13	2,3:4,5-Bis-O-(1-methylethylidene)-b-D-fructopyranose	1.00	33.33
14	2-benzoylbenzoic acid	2.00	66.67
15	2-chloromethyl-3,4-dimethoxy pyridine hydrochloride	1.00	33.33
16	2-dimethyl-3a,4,9,9a-tetrahydronaphtho[2,3-d][1,3]dioxol-5-ol	1.00	33.33
17	2-Iodo-5-bromo benzoic acid	2.00	66.67
18	2-isopropyl-5,5-dimethyl-2,5-dihydrothiazole-4-carboxylic acid.	0.60	20.00
19	3-Butyn-1-ol	1.00	33.33
20	3-Methoxy-2-((2-methyl-1,3-dioxalan-2-yl)methyl)pyridine	1.00	33.33
21	4-(4-(6-Bromohexyloxy)-3-methylbenzyl)-5-methyl-4H-pyrazol-3-ol	6.00	200 00
22	4-(4-isopropoxybenzyl)-5-methyl-1, 2-dihydro-3H-pyrazol-3-one	1.00	33.33
23	4-nitro-1-iodo benzene	2.00	66.67
24	4-Pentyn-1-ol	2.00	66.67
25	7-(1-Methylethoxy)-3-phenyl-4H-1-benzopyron-4-one	0.10	3.33
26	Acetylated D-Fructopyranose	14.00	466.67
27	diacetyl acyclovir	5.00	166.67
28	Diethylpyrocarbonate	2.00	66.67
29	DL-Proline amide	0.20	6.67
30	Ethyl 3-(3-Amino-4- (Methyl Amino)-N- (Pyridin-2-Yl) Benzamido) Propanoate	3.00	100.00
31	Iodobenzenediacetate	1.00	33.33
32	N-((N-Methyl-N-((2-isopropyl-4-thiazolyl) methyl) amino) carbonyl)-L-valine, Lithium salt	2.00	66.67
33	N,N-Bis(2-chloroethyl)-3-methyl-1-phenyl-1H-pyrazol-5-amine	3.00	100.00
34	p- Chloro Benzhydryl Piperazine	1.00	33.33
35	Pyrimethamine	0.70	23.33
36	Pyrimidone acid sodium salt	1.00	33.33
37	Sulfamide	1.00	33.33
38	Ursodeoxycholic acid	1.00	33.33
39	Azaerythromycin	3.00	100.00

CHAIRMAN, SEAC

S. No	Product Name	Quantity	
		MT/Month	Kg/ Day
40	Acyclovir	1.00	33.33
41	Dabigatran Etexilate mesylate	2.00	66.67
42	Lopinavir	5.00	166.67
43	Nadolol	0.50	16.67
44	Ritonavir	1.00	33.33
45	Teneligliptin penta hydrobromide hydrate	5.00	166.67
46	Topiramate	2.00	66.67
Total (Any 10 products will be manufactured at any given point of time)		**94.00**	**3133.33**

List Of By-Products & Its Quantities

S. No	Name of the product	Name of the By-Product	Quantity	
			Kg/Day	MT/Month
1	(S, Z)-5-Amino-2-(dibenzylamino)-1, 6-diphenylhex-4-en-3-one (Lopinavir intermediate)	Benzyl alcohol	94.30	2.83
		Magnesium hydroxide	50.90	1.53
2	2-Chloromethyl-3,4-dimethoxy-pyridine Hydrogen chloride (Pantoprazole intermediate)	Potassium sulphate	43.30	1.30
		Sodium acetate	16.50	0.50
3	2-Iodo-5-Bromo benzoic acid	Potassium chloride	18.70	0.56
4	4-nitro-1-iodo benzene (vibegron intermediate	sodium sulfite	49.90	1.50
		Ammonium nitrite	31.70	0.95
		sodium nitrite	22.50	0.68
5	p- chloro benzhydryl Piperazine (Cetirizine intermediate)	Phosphoric acid	15.70	0.47
6	pyrimidinone acid sodium salt (vibegron intermediate)	Methyl sulphate	30.30	0.91
7	Azaerythromycin	Cyclohexanone	22.50	0.68
		Triethyl amine hydrochloride	25.30	0.76
8	Lopinavir	Benzyl Alcohol	95.75	2.87
		Monosodium citrate	352.70	10.58
		Potassium chloride	153.40	4.60
9	Ritonavir	Sodium acetate	19.20	0.58
		4-Nitro phenol	21.00	0.63

Details of Utilities, Stacks & Air pollution control equipments after expansion:

S. No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Existing: 1 x 4.0 TPH	30	Cyclone separator followed by suitable pack of Bag filters
2	**Thermic fluid heater:** Existing: 1 x 2 Lakh K. Cal/hr (Diesel Fired)	11	Cyclone separator
3	**DG Sets:** Existing: 1 x 500 KVA Proposed: 1 x 500 KVA	Adequate height	Acoustic enclosure & Silencer

The process emissions containing Sulphur dioxide, Hydrogen Chloride, Hydrogen Bromide& Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen &Methane are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely diffused by using Nitrogen through Flame arrestor.

CHAIRMAN, SEAC

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	15.32	0.00	15.32
2	Washings	0.00	4.00	4.00
3	Boiler make up	12.50	11.00	23.50
4	Cooling towers make up	150.00	11.00	161.00
5	Scrubbing system	4.00	0.00	4.00
6	Domestic	0.00	4.50	4.50
7	Gardening	0.00	13.00	13.00
	Total	**181.82**	**43.50**	**225.32**

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	11.14	7.46	18.60	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	0.00	4.00	4.00	
3	Boiler Blow down	0.00	3.50	3.50	
4	Cooling towers Bleed off	0.00	18.00	18.00	
5	Scrubbing system	4.00	0.00	4.00	
6	Domestic	0.00	4.00	4.00	
Total:		**15.14**	**36.96**	**52.10**	

Details of Solid Waste after expansion:

S. No	Name of the Waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	1490 Kg/Day	Shall be sent to Cement Industries.
2	Spent Carbon	58 Kg/Day	
3	Solvent Distillation Residue	246 Kg/Day	
4	Organic distillate from MEE Stripper	440 Kg/Day	
5	Inorganic Solid Waste	2757 Kg/Day	Shall be sent to TSDF
6	MEE Salts	1080 Kg/Day	
7	ETP Sludge	50 Kg/Day	
8	Used Oils	200 Ltrs/Annum	Shall be sent to SPCB Authorized Agencies for Reprocessing/ Recycling.
9	Detoxified Containers/ Container liners	750 No's / Month	After Detoxification shall be sent to SPCB authorized agencies.
10	Used Lead Acid Batteries	4 No's/ Annum	Send back to suppliers for buyback of New Batteries.
11	Ash from boiler	5600 Kg/Day	Shall be sent to Brick Manufacturers.

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 08	**M/s. SPGK Labs Pvt. Ltd., Sy. No: Part of 281, Ekmamidi Village, Nawabpet Mandal, Vikarabad District. - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/175623/2020 (EC)**

The representative of the project proponent Sri S. Malla Reddy; and Sri Y.V. Prasad of M/s. Rightsource Industrial Solutions Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

CHAIRMAN, SEAC

The SEAC noted that the proposal is for established of API manufacturing unit.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP, G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the proposed project as follows.

Total area is 19121.39 Sqm, out of which Green area is 6612.04Sqm (34.58 %).

Nearest human habitation is Ekmamidi (V) @ 0.67 km; Nearest water body is Musi River @ 2.13km; Nearest RF is Ekmamidi RF @ 1.42 km from the industry.

Project Cost for proposed project is Rs. 16.50 Crores. Budget for Environmental protection towards Capital Cost is Rs. 139 Lakhs and Recurring Cost is Rs. 20 Lakhs/annum. Budget for CER is Rs. 33.0lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

LIST OF PROPOSED PRODUCTS & ITS QUANTITIES

S. No	Product Name	Quantity	
		MT/Month	Kg/ Day
1	Allopurinol	2.00	66.67
2	Amlodipine besylate	3.00	100.00
3	Aripiprazole	1.00	33.33
4	Atorvastatin Calcium Trihydrate	5.00	166.67
5	Clopidogrel bisulfate	5.00	166.67
6	Dabigatran Etexilate Mesylate	1.00	33.33
7	Dapoxetine hydrochloride	1.00	33.33
8	Domperidone	5.00	166.67
9	Donepezil hydrochloride	1.00	33.33
10	Duloxetine hydrochloride	2.00	66.67
11	Febuxostat	2.00	66.67
12	Fexofenadine hydrochloride	5.00	166.67
13	Gabapentin	5.00	166.67
14	Gefitinib	1.00	33.33
15	Irbesartan	3.00	100.00
16	Itraconazole	3.00	100.00
17	Losartan Potassium	3.00	100.00
18	Olanzapine	2.00	66.67
19	Olmesartan	1.00	33.33
20	Pantoprazole sodium	5.00	166.67
21	Pregabalin	5.00	166.67
22	Quetiapine fumarate	1.00	33.33
23	Rabeprazole sodium	2.00	66.67
24	Rosuvastatin calcium	1.00	33.33
25	Sertraline hydrochloride	2.00	66.67
26	Telmisartan	5.00	166.67
Total (Any 8 products will be manufactured at any given point of time)		**40.00**	**1333.33**

CHAIRMAN, SEAC

LIST OF BY-PRODUCTS & ITS QUANTITIES

S. No	Name of the Product	Name of the By-Product	Quantity	
			Kg/Day	MT/ Month
1	Allopurinol	Ethanol	209.50	6.29
		Morpholine	84.60	2.54
		Ammonium sulfate	45.30	1.36
2	Aripiprazole	Sodium bromide	12.90	0.39
3	Clopidogrel Bisulfate	TEA Hydrochloride	85.90	2.58
		P-Toluene sulfonic acid	92.50	2.78
4	Dapoxetine Hydrochloride	Potassium Bromide	23.30	0.70
		Succinamide	16.90	0.51
		Tartaric acid	16.80	0.50
5	Domperidone	Sodium acetate	112.50	3.38
		Ammonia sulphate	119.30	3.58
		Ammonium chloride	31.90	0.96
		Sodium bromide	61.20	1.84
		Ammonium chloride	24.10	0.72
6	Donepezil Hydrochloride	Potassium chloride	14.30	0.43
		Methoxy Ethanol	24.50	0.74
		Aluminium hydroxide	12.60	0.38
7	Duloxetine Hydrochloride	Oxalic acid	21.40	0.64
8	Febuxostat	Methyl cyanide	22.80	0.68
		Potassium bromide	45.50	1.37
9	Irbesartan	Triethylamine	28.10	0.84
10	Losartan Potassium	Succinimide	32.60	0.98
		Trityl alcohol	74.60	2.24
		Sodium bromide	29.50	0.89
11	Pantoprazole Sodium	Potassium Sulphate	129.50	3.89
		Sodium Di hydrogen phosphate	138.00	4.14
		Sodium acetate	56.60	1.70
12	Pregabalin	Aluminum chloride	429.00	12.87
13	Rabeprazole Sodium	Sodium acetate	38.70	1.16
		Acetic acid	28.30	0.85
14	Rosuvastatin Calcium	Meta Chloro benzoic acid	58.70	1.76
15	Sertraline Hydrochloride	Ammonium Chloride	13.50	0.41

Details of Utilities, Stacks & Air pollution control equipments:

S. No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Proposed: 1 x 3.0 TPH	30	Cyclone separator followed by suitable pack of Bag filters
2	**Thermic fluid heater:** Proposed: 1 x 1 Lakh K.cal/hr	11	Cyclone separator
3	**DG Set:** Proposed: 1 x 250 KVA	Adequate height	Acoustic enclosure & Silencer

The **process emissions** containing Sulphur dioxide, Chloromethane, Hydrogen Chloride, Hydrogen Bromide, Ammonia & Hydrogen Fluoride are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen & Nitrogen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely diffused by using Nitrogen through Flame arrestor.

CHAIRMAN, SEAC

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	14.28	0.00	14.28
2	Washings	0.00	2.00	2.00
3	Boiler make up	11.00	7.00	18.00
4	Cooling towers make up	42.04	6.96	49.00
5	Scrubbing system	5.00	0.00	5.00
6	Domestic	0.00	4.00	4.00
7	Gardening	0.00	10.00	10.00
	Total	72.32	29.96	102.28

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	16.83	2.95	19.78	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	0.00	2.00	2.00	
3	Boiler Blow down	0.00	3.00	3.00	
4	Cooling towers Bleed off	0.00	5.00	5.00	
5	Scrubbing system	5.00	0.00	5.00	
6	Domestic	0.00	3.50	3.50	
Total:		**21.83**	**16.45**	**38.28**	

Details of Solid & Hazardous Waste:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	1593 Kg/Day	Shall be sent to Cement Industries
2	Spent Carbon	73 Kg/Day	
3	Solvent Distillation Residue	2163 Kg/Day	
4	Organic distillate from MEE Stripper	450 Kg/Day	
5	Inorganic Solid Waste	583 Kg/Day	Shall be sent to TSDF
6	MEE Salts	1454 Kg/Day	
7	ETP Sludge	60 Kg/Day	
8	Used Oils	50 Ltrs/Annum	Shall be sent to SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers/ Container liners	450 No's / Month	After Detoxification shall be sent to SPCB authorized agencies.
10	Used Lead Acid Batteries	2 No's/ Annum	Send back to suppliers for buyback of New Batteries
11	Ash from boiler	4200 Kg/Day	Shall be sent to Brick Manufacturers

After detail discussions, the SEAC recommended the project for issue of EC.

CHAIRMAN, SEAC

Agenda Item No. 09	M/s. Sigachi Laboratories Limited, Sy.No: 42, Alinagar, Chetlapotharam Village, Gaddapotharam (GP), Jinnaram Mandal, Sangareddy District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/175750/2020 (EC/ Expansion)

The representative of the project proponent Sri P.M. Dayakar; and Sri Y.V. Prasad of M/s. Rightsource Industrial Solutions Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that proponent obtained EC from the MoE&F, GoI vide order dt.01.07.2005 for existing unit.

The SEAC noted that proponent obtained CFE on 24.01.2011 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.23.02.2016 of TSPCB valid upto 30.11.2020.

The proponent submitted Self-compliance Report for conditions stipulated in CFO & EC.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 5.7 TPA to 332.78 TPA.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Expansion as follows:

Total area is 79,116.04 Sqm, out of which Green area is 26,742.75Sqm (33.80 %).

Nearest human habitation is Alinagar (V) @ 0.61 km; Nearest water body is Water body near Alinagar @ 0.74km; Nearest RF is Wailal RF @ 2.14 km from the industry.

Project Cost for proposed expansion is Rs. 50.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 513 Lakhs and Recurring Cost is Rs. 42 Lakhs/annum. Budget for CER is Rs. 50 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

LIST OF PROPOSED PRODUCTS & ITS QUANTITIES

S. No	Product Name	Quantity	
		MT/Month	Kg/ Day
1	(1S,5R)-1-Phenyl-3-oxabicyclo[3.1.0]hexan-2-one	0.10	3.33
2	1-(2,4-Dichlorophenyl)-2-(1H-imidazol-1-yl) ethanone (Fenticonazole Nitrate Intermediate)	0.25	8.33
3	2,3-Dimethyl-4-nitropyridine-N-oxide	75.00	2500.00
4	2-[2-(Dimethylamino)ethyl]indan-1-one (Dimetindene Intermediate)	0.25	8.33
5	2-Chloromethyl-3-methyl-4-methoxypyridine Hydrochloride (IlaprazoleChloro Compound (MRL-IV))	2.00	66.67
6	2-Chloromethyl-4-methoxy-3,5-dimethylpyridine Hydrochloride	18.00	600.00
7	2-Hydroxymethyl-3,5-dimethyl-4-nitropyridine (Omeprazole Nitrohydroxy Compound (ONA-VI)	3.50	116.67
8	2-Hydroxymethyl-3-methyl-4-methoxypyridine	2.00	66.67

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S. No	Product Name	Quantity	
		MT/Month	Kg/ Day
	(Ilaprazole Hydroxy Compound (MRL-III))		
9	2-Mercapto-5-(1-pyrrolyl)benzimidazole	2.00	66.67
10	4-Chloro-2,3,5-trimethylpyridine-N-oxide (OCP-I)	20.00	666.67
11	5-[(2R)-2-Aminopropyl]-1-[3-(benzyloxy)propyl]-2,3-dihydro-7- carbonitrile-1H-indole(2R,3R)-2,3-dihydroxybutanedioate	0.25	8.33
12	5-Methoxy-2-[[(4-nitro-3,5-dimethyl-2-pyridinyl)-2-methyl]thio]-1H-benzimidazole (Omeprazole Nitrosulphide Compound (ONA-VIII)	9.00	300.00
13	6-(4-Aminophenyl)-1-(4-methoxyphenyl)-7-oxo-4,5,6,7- tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid ethyl ester (Apixaban Intermediate)	0.10	3.33
14	5-Amino-2-mercaptobenzimidazole	2.00	66.67
15	AzilsartanMedoxomil Potassium	0.10	3.33
16	BepotastineBesilate	0.25	8.33
17	Canagliflozin Hemihydrate	0.05	1.67
18	Cinitapride Hydrogen Tartrate	0.50	16.67
19	D(-) Diethyl Tartrate	10.00	333.33
20	DabigatanEtexilate Mesylate	2.00	66.67
21	Dapagliflozin Propylene Glycol Hydrate	0.10	3.33
22	Dexketoprofen Trometamol	1.00	33.33
23	Dexlansoprazole	1.00	33.33
24	Dexrabeprazole Sodium	0.20	6.67
25	Elagolix Sodium	0.10	3.33
26	Empagliflozin	0.10	3.33
27	Ertugliflozin L-pyroglutamic acid	0.01	0.33
28	Esomeprazole Magnesium Dihydrate	1.00	33.33
29	Esomeprazole Magnesium Trihydrate	30.00	1000.00
30	Fosfomycin Tromethamine	1.00	33.33
31	Isavuconazonium Sulfate	0.01	0.33
32	Itopride Hydrochloride	2.00	66.67
33	L (+) Diethyl Tartrate	2.00	66.67
34	Lansoprazole	30.00	1000.00
35	Loxoprofen Sodium Dihydrate	1.00	33.33
36	Omeprazole	30.00	1000.00
37	Omeprazole Magnesium Trihydrate	1.00	33.33
38	Omeprazole Sodium	0.50	16.67
39	Oxiconazole Nitrate	0.25	8.33
40	Ozenoxacin	0.03	1.00
41	Pantoprazole Magnesium	1.00	33.33
42	Pantoprazole Sodium Sesquihydrate	40.00	1333.33
43	Posaconazole	0.20	6.67
44	Prucalopride Succinate	0.03	1.00
45	Rabeprazole Sodium	40.00	1333.33
46	Solifenacin Succinate	0.10	3.33
47	S-Pantoprazole Sodium Trihydrate	0.50	16.67
48	Vildagliptin	1.00	33.33
49	Vonoprazan Fumarate	1.00	33.33
50	R & D Products	0.30	10.00
Total		**332.78**	**11092.67**

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Details of Utilities, Stacks & Air pollution control equipments after expansion:

S. No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boilers: Existing: 1 x 4.0 TPH Proposed: 1 x 10.0 TPH& 1 x 15.0 TPH	 30 36 36	Cyclone separators followed by suitable pack of Bag filters
2	DG Sets: Existing: 1 x 625 KVA Proposed: 4 x 1500 KVA	Adequate height	Acoustic enclosure & Silencer

The process emissions containing Sulphur dioxide, Hydrogen Iodide, Hydrogen Chloride, Hydrogen Bromide, Ammonia & Boron Trifluoride are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen & Nitrogen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen & Butane are to be safely diffused by using Nitrogen through Flame arrestor.

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	154.83	0.00	154.83
2	Washings	0.00	11.00	11.00
3	Boilers make up	80.5	91.00	171.50
4	Cooling towers make up	528.31	90.19	618.50
5	Scrubbing system	9.50	0.00	9.50
6	Domestic	0.00	36.00	36.00
7	Gardening	0.00	40.00	40.00
	Total	**773.14**	**268.19**	**1041.33**

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	199.70	0.00	199.70	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	0.00	11.00	11.00	
3	Boilers Blow down	0.00	25.00	25.00	
4	Cooling towers Bleed off	0.00	68.00	68.00	
5	Scrubbing system	9.50	0.00	9.50	
6	Domestic	0.00	30.00	30.00	
Total:		**209.2**	**134.0**	**343.2**	

Details of Solid Waste after expansion:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	9189 Kg/Day	Shal be sent to Cement Industries
2	Spent Carbon	436 Kg/Day	
3	ETP Sludge	145 Kg/Day	Shall be sent to TSDF
4	MEE Salts	32923 Kg/Day	
5	Organic distillate from MEE Stripper	1290 Kg/Day	Shall be sent to Cement Industries
6	Used Oils	1325 Ltrs/Annum	Shall be sent to SPCB Authorized Agencies for Reprocessing/ Recycling

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S.No	Name of the Hazardous Waste	Quantity	Disposal Method
7	Detoxified Containers	1500 No's / Month	After Detoxification shall be sent to SPCB Authorized Agencies
8	Used Lead Acid Batteries	10 No's/ Annum	Send back to suppliers for buyback basis
9	Ash from boilers	33.25 TPD	Shall be sent to Brick Manufacturers

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 10	**M/s. Suven Pharmaceuticals Limited, Plot No. 262 to 266, 269, 270 271, 274, and 279, Phase II, IDA Pashamylaram, Patancheru (M), Sangareddy District. - Environmental Clenrance - Reg.**
Proposal No.	**SIA/TG/IND2/175648/2020 (EC/ Expansion)**

The representative of the project proponent Dr. Uma Maheshwar Rao; and Dr. Pallavi & Sri P.V.Raju of M/s. Pridhvi Envirotech Pvt.Ltd., Hyderabad attended and made a presentation before the SEAC.

The industry was established in the year 1996 with CFE dt. 03.07.1996.

The SEAC noted that proponent obtained EC (Expansion) from the SEIAA vide order dt.18.05.2017 for existing unit for manufacture of Bulk Drugs and also obtained EC (Amendment) vide order dt. 26.04.2018.

The proponent is operating the unit with latest CFO order dt.15.06.2020 of TSPCB valid upto 30.04.2021

The proponent submitted Self-compliance Report for conditions stipulated in EC & CFO.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 73.53 TPM to 151.5 TPM.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Expansion as follows:

Total area is 14.6 Acres, out of which Green area is 4.86 Acres (33.36%).

Nearest human habitation is Pashamylaram @ 1.75 km; Nearest water body is Isnapur Pond @ 0.63 km from the industry.

Project Cost for proposed expansion is Rs. 150.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 18.0 crores and Recurring Cost is Rs. 1151.0 Lakhs/annum. Budget for CER is Rs.110.0 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Acyclovir (Intermediate of Valacyclovir)	800.00	24.00
2	Doxofylline	1000.00	30.00
3	(2-Chloro-5-Ido phenyl)-(4-Fluro phenyl)-methanone	800.00	24.00
4	Gabapentin	200.00	6.00

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S.No	Name of Product	Capacity	
		Kg/day	TPM
5	Calcium Acetate	800.00	24.00
6	Entacapone	140.00	4.20
7	Fenoprofen Calcium	100.00	3.00
8	Sodium Ferric Gluconate Complex	90.00	2.70
9	Iron Sucrose Complex	200.00	6.00
10	Nitazoxanide	200.00	6.00
11	Glycopyrrolate	130.00	3.90
12	Tamsulosin Hydrochloride	10.00	0.30
13	D-Penicillamine	100.00	3.00
14	Thiabendazole	30.00	0.90
15	Thiamine Hydrochloride	80.00	2.40
16	BenzhydrylThioacetamide	200.00	6.00
17	(S)-1-(3-Ethoxy-4-Methoxyphenyl)-2- Methane sulfonyl Ethylamine Base	200.00	6.00
18	N-(1,3-Dioxo-1,3,dihydro-Isobenzofuran-4-yl) acetamidae	200.00	6.00
19	2,3-Diaminobenzamide dihydrochloride	28.00	0.84
20	Edetate Calcium Disodium dihydrate	180.00	5.40
21	Nitisinone	30.00	0.90
22	BretyliumTosylate	180.00	5.40
23	DanofloxacinMesylate	160.00	4.80
24	Ofloxacin	200.00	6 00
25	Probenecid	200.00	6.00
26	L-Carglumic acid	18.00	0.54
27	Ganithromycin	200.00	6.00
28	Trientine Hydrochloride	40.00	1.20
29	GlycopyrrolateTosylate	150.00	4.50
30	Chloroquine Phosphate	150.00	4.50
31	Carprofen	80.00	2.40
32	Marbofloxacin	200.00	6.00
33	Rifapentine	200.00	6.00
34	Ferric Carboxy Maltose	30.00	0.90
35	Fluphenazine Hydrochloride	100.00	3.00
36	Metyrosine	160.00	4.80
37	Medetomedine	850.00	25.50
38	Divalproex Sodium	200.00	6.00
39	ImatinibMesylate Alpha Form [SVN-7047]	40.00	1.20
40	(S)-2-(4-Oxobenzo[d][1,2,3]triazin-3(4H)-yl)-N-(1-(4-(trifluoromethoxy)-phenyl)ethyl)acetamide (TTFA) [SVN-21294]	30.00	0.90
41	Zolmitriptan	70.00	2.10
42	Phenterimine Hydrochloride	200.00	6.00
43	Sodium 4-Phenylbutyrate	40.00	1.20
44	Aripiprazole	40.00	1.20
45	[R-Cis-N-Methyl-N-proponic acid-tetrahydropapaverine]besylate	80.00	2.40
46	1-[(2-Bromophenyl) sulfonyl]-5-methoxy-3-[(4-methyl piperazin-1-yl) methyl]-1H-indole dimesylate monohydrate	130.00	3.90
47	3-Chloropropane-1-Sulfonylchloride [SVN-6098]	120.00	3.60
48	Methyliodouracil or 1-[2-Fluoro-6-(trifluoromethyl)benzyl]-5-iodo-6-methylpyrimidine-2,4(1H,3H)-dione	300.00	9.00
49	Tetra TMS-D-Gluconic Lactone [SVN-1272]	200.00	6.00
50	S)-1-(4-(3-Cyclopropyl-1H-pyrazol-5-ylamino)pyrrolo[1,2-f][1,2,4]triazin-2-yl)-2-methylpyrrolidine-2-carboxylic acid	200.00	6.00
51	(2-Chloro-5-Iodophenyl)-[4-(Terahydrofuran-3-Yloxy)Phenyl]-Methanone [SVN-6588]	200.00	6.00

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S.No	Name of Product	Capacity	
		Kg/day	TPM
52	1-Tert-Butoxycarbonylamino-Cyclobutanecarboxylic Acid [SVN-6096]	80.00	2.40
53	L-Xylose Aqueous Solution	200.00	6.00
54	(S)-3-amino-tetrahydrofuran-3-carboxylic acid butyl ester (S)-hydroxyl-phenyl-acetic acid salt	120.00	3.60
55	TenofovirDisoproxilFumarate	200.00	6.00
56	4-Amino-3-methoxy-N-methyl-benzamide Hydro Chloride	120.00	3.60
57	3-{5-Fluoro-2-[4-(2-Methoxy-Ethoxy)Phenylamino]Pyrimidin-4-Ylamino}Phenyl)-Carbamic Acid Tert-Butylester hydrochloride	40.00	1.20
58	1H-Benzimidazole-5-caboxylic acid	28.00	0.84
59	MCPMA (Methyl-2-(Chloromethyl Phenyl)-3-Methoxy-2-Acrilate)	160.00	4.80
60	Thiazole-4-Carboxlic Acid	160.00	4.80
61	3,5-pyridinedicarboxylic acid	200.00	6.00
62	Hypophosphorous Acid	200.00	6.00
63	(1-Phyenylmethyl)-1H-Indeno[2,1-b]Pyridine-6-Carbonitrile (BI-187004 Nitrile)	200.00	6.00
64	Fucose Intermediate,[4-Methylphenyl 2,3,4-tri-O-benzyl-1-thio-beta-L-fucopyranoside]	60.00	1.80
65	Chloroacetic anhydride	200.00	6.00
66	4-Chloroaniline-	200.00	6.00
67	4-(4-Bromo-3-formylphenoxy)benzonitrile [SVN-1579]	200.00	6.00
68	2,4-Dichloro-5-Aminopyrimidine [SVN-6674]	60.00	1.80
69	(S)-1-cyclopropyl ethylamine-(R)-mandelate	40.00	1.20
70	2-Chloromethyl-4-cyanobenzoic acid methyl ester	70.00	2.10
71	2-Chloro-5-Iodo Benzoic Acid	800.00	24.00
72	4-Amino-3-Hydroxy Benzoic Acid	200.00	6.00
73	6-Chloro-1H-indole-2,3-dione	200.00	6.00
74	2,4-Dichloro-7H-pyrrolo[2,3-d]pyrimidine	200.00	6.00
75	L-Glutamic acid gamma-tert-butyl ester-alpha -amide hydrochloride []	120.00	3.60
76	(3S)-Oxolan-3-amine hydrogen chloride	160.00	4.80
77	1,2,3,5-Tetra-O-Acetyl -βD-Ribofuranose	260.00	7.80
78	5-Azacytosine	200.00	6.00
79	1-Amino Naphthalene	200.00	6.00
80	1-Iodo-2,3-Dimethyl Benzene	200.00	6.00
81	2,3-Diaminopyridine	200.00	6.00
82	7-Fluoroisatin	100.00	3.00
83	3-Fluoro-2-(methyl-propoxycarbonyl-amino)-benzoic acid [BMT-182690-01]	200.00	6.00
84	3-(2-Chloroacetyl)pyridine Hydrochloride	200.00	6.00
85	6-Bromo-1-methylindolin-2-one	160.00	4.80
86	2(-Trtrahydro-2H-pyran-4-yl) hydrazinecarboxylic acid tert-butyl ester	400.00	12.00
87	3-Methoxy-4-methylbenzonitrile	120.00	3.60
88	2-Pyridineacetic acid methyl ester	200.00	6.00
89	Triethyl-2-fluoro-2-phosphonoacetate	200.00	6.00
90	Benzyl (2R)-3-cyclohexyl-2-hydroxypropionate	200.00	6.00
91	Ethyl 6- Fluorobenzofuran-7-carboxylate	200.00	6.00
92	Methyl-1-[1-(Di Fluoromethyl) Cyclopropyl]-4-Acetamido-6-Oxopyridine-3-Carboxylate	140.00	4.20
93	2-[1-(difluoromethyl)cyclopropyl]-2,3-dihydro-1H-isoindole-1,3-dione	100.00	3.00
94	1-Amino-cyclopropane carboxylicacidHydrochloric	200.00	6.00
95	(2S)-(1-Tetrahydropyramid-2-one)-3-methylbutanoic acid	200.00	6.00

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S.No	Name of Product	Capacity	
		Kg/day	TPM
96	Verapamil Hydrochloride	200.00	6.00
97	Lamotrigine	200.00	6.00
98	Losarton Potassium	300.00	9.00
99	Tetrazolealdehyde	200.00	6.00
100	Ethyl 2,4,6-tri-o-benzoyl-3-o-[(benzyl (2s)-3-cyclohexylpropionate)-2-yl]-1-thio-d-galactopyranoside	300.00	9.00
101	1-Trityl-1H-imidazole-4-carbaldehyde	200.00	6.00
102	4A11-indeno [2,1-b]pyridine-1-benzyl-6-carbonitrile	200.00	6.00
103	7-Chloro-5-(Trifluromethyl)1H –Indole	200.00	6.00
104	2-(1-Difluoromethyl) cyclopropylamine	100.00	3.00
105	3aR,4S,6R,6aS)-6-Amino-2,2-Dimethyltetrahydro-2H,3aH cyclo penta [d][1,3]dioxol-4-ol	200.00	6.00
106	Methyl-1-[1-(di fluoro methyl) cyclopropyl]-4-acetamido-6-oxopyridine-3-carboxylate	200.00	6.00
107	Isosulfan Blue	200.00	6.00
108	(5-Bromo-3,4-Diaminobenzoic acid methylester or Methyl 3-bromo-4,5-Diaminobenzoate	200.00	6.00
109	Trans Cinnamic acid	200.00	6.00
110	2-Chloro-5-Ido phenyl)- (4-Fluro Phenyl)-methanone	200.00	6.00
111	(1R,2R)-2-[(5-Bromo-2-{[1-(Methanesulfonyl)piperidine-4-yl]amino}pyrimidin-4yl)amino]-1-methylcyclopentanol	200.00	6.00
112	Sulfasalazine	200.00	6.00
	Worst Case 6 Products Total	**5050.00**	**151.50**
113	R & D Products	50.00	1.50
114	Formulations	10 lakhs/day	300 lakhs/ month

Details of Utilities, Stacks & Air pollution control equipments after expansion:

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Existing: 1x 12 TPH; 1 x 6 TPH (Standby) Proposed: 1x 12 TPH	30 m 30 m	Bag filter
2	**Oil fired boiler** Existing 2 TPH	10 m	Adequate Stack
3	**DG Sets:** Existing: 3 x 1010 kVA, 1 x 1500 kVA, 1 x 500 kVA Proposed: 1 x 1500 kVA,	Adequate height	Acoustic enclosure
4	**Thermic fluid heater** Existing 2 x 2 Lakh K Cal/Hr	10 m	Adequate Stack

The **process emissions** containing Hydrogen Chloride, carbon monoxide, Sulphur dioxide are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen gas are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely dispersed into the atmosphere through water column.

CHAIRMAN, SEAC

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	160.3	-	160.3
2	Washings	15.0	-	15.0
3	Formulations	1.0	-	1.0
4	Scrubber	15.0	-	15.0
5	Boiler make up	50.0	100.0	150.0
6	Cooling Towers make up	89.0	161.0	250.0
7	RO/DM plant	20.0	-	20.0
8	Domestic	40.0	-	40.0
9	Gardening	5.0	-	5.0
	Total	**395.3**	**261.0**	**656.3**

Details of Effluent generation, treatment & disposal after expansion:

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	201.6	-	201.6	Zero Liquid Discharge System ie., **HTDS:** Stripper, MEE & ATFD. **LTDS:** Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	15.0	-	15.0	
3	Formulations	1.0	-	1.0	
4	Scrubber	15.0	-	15.0	
5	Boiler	-	15.0	15.0	
6	Cooling tower	-	25.0	25.0	
7	RO/DM Plant	-	20.0	20.0	
8	Domestic	-	33.0	33.0	
Total :		**232.6**	**93.0**	**325.6**	

Details of Solid Waste after expansion:

S.No	Description	After expansion Quantity	Remarks
1	Process organic residue	7.51 TPD	Sent to Authorized Cement Industries/AFRF units at TSDF Dundigal/ GEPIL Rakamcherla for co-processing/ other AFRF units
2	Solvent residue	5.11 TPD	
3	Spent carbon	0.46 TPD	
4	Spent hyflow	3.28 TPD	
5	Evaporation Salts	23.48 TPD	Sent to TSDF for land fill
6	ETP Sludge	9 TPD	Sent to TSDF/GEPIL/Cement Industries/ other AFRF units
7	Spent catalyst	130.0 Kg/day	Sent to manufacturers/ suppliers/Authorized agencies
8	Spent solvents	127.6 KLD	Shall be recovered within the plant premises
9	Mixed solvents	16.6 KLD	Sent to authorized AFRF units/cement plants for co-incineration
10	Ash from boilers	22.8 TPD	Sold to brick manufacturers
11	Waste /Used Oil	60 KL/Annum	Authorized Recyclers/ Re-processors
12	Used batteries	20 Nos/ Month	Sent to Authorized Recyclers

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13	container & container liners of hazardous waste & chemicals		After detoxification, disposed to outside agencies
	Detoxified containers	25000 Nos/month	
	Container liners	30000 Nos/month	
	Glass bottles	1000 Nos/month	
14	Used Plastic Material(HDPE/LDPEPipes, Broken Containers etc)	7 TPM	Sent to recyclers
15	Insulation waste	3 TPM	TSDF Dundigal/ GEPIL/ cement Industries
16	Rejected raw material/products	6 TPM	TSDF/ Authorized Agencies
17	e-waste	1 TPM	Authorized Recyclers/ Re-processors

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 11	**M/s. Sri Krishna Pharmaceuticals Limited Unit- III, Sy. No. 57, Golkonda Kalan, Raikunta (V), Shamshabad (M), Rangareddy District. - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/174176/2020 (EC/ Expansion)**

The representative of the project proponent Sri U. Srinivasa Rao; and Dr. Pallavi & Sri P.V.Raju of M/s. Pridhvi Envirotech Pvt.Ltd., Hyderabad attended and made a presentation before the SEAC.

The industry was established in the year 1988.

The SEAC noted that proponent obtained EC from the MoE&F, GoI vide order dt.11.08.2005 for existing unit.

The SEAC noted that proponent obtained CFE (CPM) on 20.03.2015 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.05.07.2019 of TSPCB valid upto 31.03.2021.

The proponent submitted Self-compliance Report for conditions stipulated in CFO & EC.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 8.0 TPM to 70.0 TPM.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Expansion as follows:

Total area is 12.0 Acres, out of which Green area is 4.3 Acres (35.8%).

Nearest human habitation is Bahadurguda@ 1.71 km; Nearest water body is Rainfed water tank @ 0.78 km; Nearest RF is @ 1.4 km from the industry.

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The SEAC noted that as per G.O.Ms.No.111, dt.08.03.1996 Sl.No.3 section No.(i) point E polluting industries located within 10 km radius both upstream and downstream sides of Osmansagar & Himayatsagar are prohibited.

In this regard, the proponent informed that a detailed study was conducted by Geolite LLP consultant to establish aerial distance from Sri Krishna Pharmaceuticals Limited to Himayatsagar lake FTL and observed that the average distance in all occasions is more than 12 km from FTL locations of Himayatsagar.

It was also informed that the industry of Sri Krishna Pharmaceuticals is located at a distance of 20 km away from Osmansagar and 12 km from Himayatsagar.

Hence, G.O.Ms.No.111 is not applicable for Sri Krishna Pharmaceuticals Limited.

Project Cost for proposed expansion is Rs. 70.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 40.0 crores and Recurring Cost is Rs. 458.0 Lakhs/annum. Budget for CER is Rs.70.0 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Folic acid	2152.67	64.58
2	Metadoxine	16.67	0.5
3	Fenoverine	16.67	0.5
4	Domperidone maleate	40.00	1.2
5	4- Phenyl Butyric acid sodium salt	33.33	1.0
6	Enalapril Maleate	16.67	0.5
7	MeclazineHCl	16.67	0.5
8	ButrorphenolTartarate	0.67	0.02
9	Levocetrazine	6.67	0.2
10	Calcium folinate	33.33	1.0
	Total	**2333.35**	**70.0**

Details of Utilities, Stacks & Air pollution control equipment's after expansion:

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 6TPH Proposed: 2 x 20 TPH	30 m 30 m	Cyclone Separator/Bag filters
2	DG Sets: Existing: 500 kVA; 380 kVA Proposed: 1 x 1500 kVA	Adequate height	Acoustic enclosure

The process emissions containing Hydrogen Chloride, Chlorine, Sulphur dioxide & Ammonia are to be roured through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Nitrogen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely dispersed into the atmosphere through water column.

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Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	740.7	139.0	879.7
2	Washings	10.0	-	10.0
3	Scrubber	-	5.0	5.0
4	Boiler make up	-	360.0	360.0
5	Cooling Towers make up	-	260.0	260.0
6	DM plant	5.0	-	5.0
7	Domestic	25.0	-	25.0
8	Gardening	-	30.0	30.0
	Total	**780.7**	**794.0**	**1574.7**

Details of Effluent generation, treatment & disposal after expansion:

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	918.4	-	918.4	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	10.0	-	10.0	
3	Scrubber	5.0	-	5.0	
4	Boiler	-	36.0	36.0	
5	Cooling tower	-	26.0	26.0	
6	DM Plant	-	5.0	5.0	
7	Domestic	-	20.0	20.0	
Total :		**933.4**	**87.0**	**1020.4**	

Details of Solid Waste after expansion:

S.No	Description	After expansion Quantity	Remarks
1	MEE Salts/ Gypsum/ Calcium chloride equivalent salts	1511.9 TPM	Sent to TSDF, Dundigal for secured land fill
2	Process Inorganic Salts	2.6 TPM	
3	ETP Sludge	6.0 TPM	
4	Off specification raw materials/ products	1.5 TPM	Sent to Cement plant for Co-processing/AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla/ M/s. TSDF Dundigal.
5	Process organic residues	12.7 TPM	
6	Spent Carbon	0.2 TPM	
7	Stripper waste	106.9TPM	
8	Iron sludge	58.1 TPM	Sent to authorized cement industries
9	Spent nickel	0.7 TPM	Return to Supplier for regeneration/to TSDF
10	Ash from boilers	43.7 TPD	Sold to brick manufacturers
11	Waste /Used Oil	100 LPM	Authorized Recyclers/ Re-processors

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12	Spent solvents	2.9 TPD	End users/Authorized cement manufacturing units for co-processing.
13	Used batteries	10 No.s Per Annum	Sent to Authorized Recyclers
14	container & container liners of hazardous waste & chemicals	500 No.s/ Month	After detoxification, disposed to outside agencies
15	LDPE bags	600 Kgs/month	Authorized Recyclers
16	Insulation waste	500 Kgs/Annum	TSDF Dundigal
17	Used glass bottles from laboratories	0.5 TPM	Recyclers after de-contamination
18	e-waste	50 kgs/month	Authorized Recyclers/ Re-processors

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 12	**M/s. Alkinia Pharma-Chem Private Limited, Sy.No. 145/e, 145/cc, 146/vu, Chiragpally (V), Zaheerabad (M), and Sy No. 43/aa, 43/aa1, Gopanaplly (V), Mogudam (M), Sangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/INDZ/174466/2020 (EC)**

The representative of the project proponent Sri Anand & Sri KVRS Kumar; and Dr. Pallavi & Sri P.V.Raju of M/s. Pridhvi Envirotech Pvt.Ltd., Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that the proposal is for established of API manufacturing unit.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Project as follows:

Total area is 9.52 Acres and out of which Green area is 3.36 Acres (35%).

Nearest human habitation is Khanjamalpura @ 0.97 km; Nearest water body is Khanjamalpura @ 1.13 km; Nearest RF is Gopanpally RF @ 3.64 km from the industry.

Project Cost for proposed Project is Rs. 35.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 10.0 crores and Recurring Cost is Rs. 706.0 Lakhs/annum. Budget for CER is Rs.75.0 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Gabapentin	1666.7	50.0
2	Pregabalin	166.7	5.0
3	Favipiravir	166.7	5.0
4	Acyclovir	166.7	5.0
5	Valsartan	166.7	5.0
6	Losartan potassium	166.7	5.0

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S.No	Name of Product	Capacity	
		Kg/day	TPM
7	OlmesartanMeduxomil	166.7	5.0
8	Omeprazole	166.7	5.0
9	Pantoprazole sodium sesquihydrate	166.7	5.0
10	Lansaprazole	166.7	5.0
11	2-butyl-5-chloro -5-formyl imidazole (BCFI)	166.7	5.0
12	Orthotolybenzonitrile (OTBN)	1666.7	50.0
13	Triethylorthoformate	6666.7	200.0
14	Trimethylorthoformate	6666.7	200.0
15	Sodium Ethoxide	6666.7	200.0
16	Sodium Methoxide	6666.7	200.0
17	1, 1-Cyclo hexane diacetic acid CDA	1666.7	50.0
	Total	**33333.3**	**1000.0**

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	Orthotolybenzonitrile (OTBN)	Magnesium chloride	1896.55	56.9
2	1, 1-Cyclo hexane diacetic acid CDA	Dilute Sulphuric acid	5000.00	150.0

Details of Utilities, Stacks & Air pollution control equipments proposed:

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** 1 x 20TPH & 1 x6 TPH	30 m 30 m	Bag filters/ cyclone separator
2	**Thermic fluid heater:** 2 Lakh K.cal/hr	10 m	Adequate Stack
3	**DG Sets:** 4 x 500 kVA	4.5 m	Adequate Stack and Acoustic enclosure

The **process emissions** containing Hydrogen Chloride, **Sulphur** dioxide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen gas are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely dispersed into the atmosphere through water column.

Details of Water requirement proposed:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	134.3	-	134.3
2	Washings	5.0	-	5.0
3	Scrubbers	3.0	-	3.0
4	Boiler makeup	40.0	120.0	160.0
5	Cooling towers make up	12.0	38.0	50.0
6	DM / Softener	3.0	-	3.0
7	Domestic	10.0	-	10.0
8	Gardening	5.0	-	5.0
	Total	**212.3**	**158**	**370.3**

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Details of Effluent generation, treatment & disposal proposed:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	156.8	-	156.8	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	5.0	-	5.0	
3	Scrubber	3.0	-	3.0	
4	Boiler	-	16.0	16.0	
5	Cooling tower	-	5.0	5.0	
6	DM Softener	-	3.0	3.0	
7	Domestic	-	8.0	8.0	
Total :		164.8	32.0	196.8	

Details of Solid Waste proposed:

S.No	Description	Quantity in TPM	Remarks
1	MEE salts with 4 % Moisture	325.6TPM	Sent to TSDF
2	ETP Sludge	50.0TPM	
3	Inorganic residue	578.01TPM	
4	Process/ organic Residue	214.57TPM	Authorized Cement Industries for co-processing
5	Distillation residue	59.61TPM	
6	Spent Carbon	13.22TPM	
7	Ash from boilers	570.0	Sold to brick manufacturers
8	Waste /Used Oil	500 LPM	Authorized Recyclers/ Re-processors
9	Mixed spent solvents	57.9 TPD	Authorized Recyclers
10	Used batteries	10 Nos/Annum	Sent to Authorized Recyclers
11	Container & container liners of hazardous waste & chemicals	5000 Nos/Month	After detoxification, disposed to outside agencies
12	e-waste	50 kgs/month	Authorized Recyclers/ Re-processors
13	HDPE Bags and LDPE Bags	1.0 TPM	

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 13	M/s. Mylan Laboratories Limited Unit-II, Sy.No.10 Gaddapotharam & Sy.No 42, Alinagar, IDA Kazipally and Gaddapotharam, Jinnaram (M) Sangareddy District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/174816/2020 (EC/ Expansion)

The representative of the project proponent Sri G. Srinivasa Rao; and Dr. Pallavi & Sri P.V.Raju of M/s Pridhvi Envirotech Pvt.Ltd., Hyderabad attended and made a presentation before the SEAC.

The industry was established in the year 2005.

The SEAC noted that proponent obtained EC from the MoE&F, GoI vide order dt.07.07.2005 for existing unit and EC (expansion) vide order dt.09.05.2016 from SEIAA.

The SEAC noted that proponent obtained CFE (Expansion) on 28.06.2016 for manufacture of Bulk Drug Intermediates.

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The proponent is operating the unit with latest CFO order dt.03.08.2019 of TSPCB valid upto 31.05.2021.

The proponent submitted Self-compliance Report for conditions stipulated in CFO & EC.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 70 TPM to 120 TPM.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Expansion as follows:

The unit currently has a total area of 28.5 Acres. Out of which the existing unit occupies 3.25 acres. Green area is 14.71Acres (51.6%).

Nearest human habitation is Gaddapotharam (V) @ 0.69 km; Nearest water body is Gaddapotharam Cheruvu @ 0.48 km; Nearest RF is Dundigal RF @ 15 m from the industry.

Project Cost for proposed expansion is Rs. 80.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 20.0 crores and Recurring Cost is Rs. 10.80 crores/annum. Budget for CER is Rs.80.0 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Nevirapine	166.67	5.0
2	Lamivudine	3166.67	95.0
3	Emtricitabine	293.33	8.8
4	Fluindione	33.33	1.0
5	zidovudine	166.67	5.0
6	Efavirenz	166.67	5.0
7	Validation products	6.66	0.2
	Total	**4000.0**	**120**

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	lamivudine	Potassium Orthophosphate salts	3193.27	95.8
2	lamivudine	Salicylic acid	1860.0	55.8
3	lamivudine	L Menthol	2162.83	64.9
4	Zidovudine	Trityl chloride salts	154.62	4.64
5	Emtricitabine	Dipotassium hydrogen orthophosphate	741.55	22.2
	Total		**8112.27**	**243.3**

Details of Utilities, Stacks & Air pollution control equipment's after expansion:

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Existing: 8TPH Proposed: 20 TPH	 30 m 30 m	Cyclone Separator/Bag filters

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2	**Oil Fired Boilers (Standby):** Existing: 4 TPH & 5 TPH	30 m	Adequate Stack
3	**DG Sets:** Existing: 2 x 380 kVA; 2 x 500 kVA , 3 x 750 kVA and 2 x 1025 KVA Proposed : 3 x 1010 kVA	Adequate height	Acoustic enclosure

The process emissions containing derivatives of Carbon dioxide are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely dispersed into the atmosphere through water column.

Details of Water requirement after expansion:

S. No	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	114.5	-	114.5
2	Washings	25.0	-	25.0
3	Scrubber	20.0	-	20.0
4	Cooling Tower	55.0	445.0	500.0
5	Boiler	450.0	-	450.0
6	Solvent recovery plant	10.0	-	10.0
7	DM Regeneration	20.0	-	20.0
8	RO Back wash	30.0	-	30.0
9	Softner Regeneration	20.0	-	20.0
10	Detoxification	15.0	-	15.0
11	ZLD washings	20.0	-	20.0
12	Ash Handling	15.0	-	15.0
13	Domestic	80.0	-	80.0
14	Gardening	80.0	-	80.0
	Total	**954.5**	**445.0**	**1399.5**

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process HTDS	121.7	-	121.7	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Process LTDS	-	3.7	3.7	
3	Washings	25.0	-	25.0	
4	Scrubber	20.0	-	20.0	
5	Cooling Tower	-	94.0	94.0	
6	Boiler	-	40.0	40.0	
7	Solvent recovery plant	-	10.0	10.0	
8	DM Regeneration	-	20.0	20.0	
9	RO Back wash	-	30.0	30.0	
10	Softner Regeneration	-	20.0	20.0	
11	Detoxification	-	15.0	15.0	
12	ZLD washings	-	20.0	20.0	
13	Ash Handling	-	-	-	
14	Domestic	-	75.0	75.0	
Total :		**166.7**	**327.7**	**494.4**	

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Details of Solid Waste after expansion:

S.No	Description	After expansion Quantity	Remarks
1	MEE salts with 4 % Moisture	210.8 TPM	TSDF Dundigal for landfill
2	ETP Sludge	90.0 TPM	
3	Process Inorganic salts	6.0 TPM	
4	Spent Carbon	89.15 TPM	TSDF Dundigal/ Cement industry for Co-processing
5	Distillation bottom residue	288.38 TPM	
6	Process Organic waste	92.55 TPM	
7	Spent solvents	2010 TPM	Sale to recyclers
8	Mixed spent Solvents	1200 TPM	TSDF Dundigal/ cement industries for co processing
9	Thermocol	4.0 TPM	TSDF Dundigal / cement industries for co processing
10	Insulation waste	5.0 TPM	
11	Glass wool	4.0 TPM	
12	Softener/ DM Plant resins	15.0 TPA	
13	Off specifications, rejected & Discarded raw materials, lab chemicals & products etc	10.0 TPM	TSDF Dundigal/ Cement industry for Co-processing
14	Stripper Distillate (VOC)	300.0 TPM	
15	Used filters (HEPA filters oil filters etc)	200 No's/ month	TSDF Dundigal / cement industries for co processing
16	Used/ Discarded filter bags	10.0 TPM	
17	Used/ Discarded RO/UF Membranes	10 TPA	
18	Lab vials	2.0 TPM	
19	Discarded PPE	10.0 TPM	

Hazardous waste with Re-cycling option

S. No	Waste stream	Quantity Proposed	Mode of disposal
1	HDPE Containers	4000 No's/Month	Shall be Disposed off to outside agencies after detoxification
2	Glass Bottles	2000 No's/Month	
3	Liners & bags	8000 Kg's/day	
4	Used oil	2000 LPM	Shall be Disposed to Authorized Recyclers.
5	Lead acid batteries	100 No's/Year	
6	E- waste	10 TPM	

Non Hazardous waste

S. No	Waste stream	Quantity Proposed	Mode of disposal
1	Paper, Cotton waste & packing material i.e. wood, carton, ropes	25 TPM	Shall be sold to outside agencies/ recyclers
2	Plywood containers/ broken glass etc	20 TPM	Shall be sold to outside agencies /recyclers
3	Metal scrap (MS, SS, GI, Aluminum)	25 TPM	Shall be sold to outside agencies/ ecyclers
4	Coal Ash/ fly Ash	800 TPM	To brick manufacturers
5	Canteen waste	10 TPM	Shall be Sent to Piggeries

After detail discussions, the SEAC recommended the project for issue of EC.

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Agenda Item No. 14	M/s. Emmennar Pharma Private Limited Unit- III, Sy.No 334 & 335 Turkalakhanpur (V), Hathnoor (M), Sangareddy District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/174935/2020 (EC/ Expansion)

The representative of the project proponent Sri B.V. Rami Reddy; and Dr. Pallavi & Sri P.V.Raju of M/s. Pridhvi Envirotech Pvt.Ltd., Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that proponent obtained EC (Expansion) from the MoEF&CC, GoI vide order dt.29.09.2017 for existing unit.

The SEAC noted that proponent obtained CFE on 12.12.2017 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.30.03.2019 of TSPCB valid upto 28.02.2024.

The proponent submitted Self-compliance Report for conditions stipulated in CFO & EC.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 1350 TPM to 1350.5 TPM.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Expansion as follows:

Total area is Existing 15.24 Acres and out of which Green area is 5.03 Acres (33%).

Nearest human habitation is Turkalkhanapur @ 1.90 km; Nearest water body is Bhima Cheruvu @ 2.0 km; Nearest RF is Naguwaram RF @ 8.5 km from the industry.

Project Cost for proposed expansion is Rs. 40.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 20.0 crores and Recurring Cost is Rs. 940.0 Lakhs/annum. Budget for CER is Rs.40.0 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	TritylTetrazoleBromo Methyl Bi Phenyl (TTBB)	1666.7	50.0
2	4 – (Chloromethyl)-5-methyl-1,3-dioxal-2-one (DMDO)	1000.0	30.0
3	2-(1-(Carbamoylmethy)Cyclohexyl) acetic acid (GCAM)	6666.7	200.0
4	Ethyl 4-(2-hydroxypropan-2-yl)-2-propyl-1H-imidazole-5-Carboxylate (OLMX)	1000.0	30.0
5	4-Chlorobutyryl chloride (4-CBC)	6666.7	200.0
6	N, N-dicyclohexylcarbodiimide(DCC)	3333.3	100.0
7	Meta Chloro Nitro Benzene	4333.3	130.0
8	Meta Chloro Anisole	4000.0	120.0
9	Di Ethyl-D- Tartarate	1500.0	45.0
10	Metformin Hydrochloride	3000.0	90.0
11	Butaphosphan	1500.0	45.0
12	Ciprofloxacin Hydrochloride	2000.0	60.0

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13	Triphenyl phosphine(Recovery)	5000.0	150.0
14	Triphenyl phosphine(Fresh)	3333.3	100.0
15	R & D Products	16.6	0.5
	TOTAL	**45016.6**	**1350.5**

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	4 – (Chloromethyl)-5-methyl-1,3-dioxal-2-one (DMDO)&Ethyl 4-(2-hydroxypropan-2-yl)-2-propyl-1H-imidazole-5-Carboxylate (OLMX)	30 % HCl	8249.0	247.5
2	4 – (Chloromethyl)-5-methyl-1,3-dioxal-2-one (DMDO)&Ethyl 4-(2-hydroxypropan-2-yl)-2-propyl-1H-imidazole-5-Carboxylate (OLMX)	Sodium Bi sulphite Solution	8239.0	247.2
3	2-(1-(Carbamoylmethy) Cyclohexyl) acetic acid (GCAM)	Sulfuric acid	77606.7	2328.2
4	2-(1-(Carbamoylmethy) Cyclohexyl) acetic acid (GCAM)	Ammonium Sulphate	8860.0	265.8
5	2-(1-(Carbamoylmethy) Cyclohexyl) acetic acid (GCAM)	Aqueous Ammonia	2520.0	75.6
6	4-Chlorobutyryl chloride (4-CBC)	Sodium Hydrogen Sulfite	16911.7	507.4
7	Meta Chloro Nitro Benzene	Para Chloro Nitrobenzene	538.9	16.2
8	Meta Chloro Nitro Benzene	Ortho Chloro Nitro benzene	538.9	16.2
9	Meta Chloro Nitro Benzene	HCl 35%	3578.3	107.3
10	Meta Chloro Anisole	Potassium hydroxide solution	1656.0	49.7
11	Meta Chloro Anisole	Sodium Nitrite solution	2564.0	76.9
12	Ciprolloxacin Hydrochloride	Piperazine	1000.0	30.0
	Total		**13262.4**	**3967.9**

Details of Utilities, Stacks & Air pollution control equipment's after expansion:

S.No	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Existing:3 TPH & 10 TPH Proposed: 30 TPH	30 m 30 m 30 m	Cyclone Separator / Bag filters / ESP
2	**Thermic fluid heater** Proposed: 1.0 Lakh K.cal/hr	10 m	Adequate Stack
3	**DG Sets:** Existing:1000 kVA, 500 kVA Proposed; 2 x 1000 kVA	6.5 4.5 6.5	Adequate stack and Acoustic enclosure

The process emissions containing derivatives of Carbon dioxide are to be safely dispersed into the atmosphere.

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Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	249.3	-	249.3
2	Washings	10.0	-	10.0
3	Scrubber	5.0	-	5.0
4	Cooling Towers make up	-	50.0	50.0
5	Boiler make up	-	120.0	120.0
6	DM Plant	3.0	-	3.0
7	Domestic	3.0	12.0	15.0
8	Gardening	6.0	-	6.0
	Total	276.3	182.0	458.3

Details of Effluent generation, treatment & disposal after expansion:

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	188.6	-	188.6	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers. Boiler make-up and Scrubbers.
2	Washings	10.0	-	10.0	
3	Scrubber	5.0	-	5.0	
4	Cooling tower	-	5.0	5.0	
5	Boiler	-	12.0	12.0	
6	DM Plant	-	3.0	3.0	
7	Domestic	-	12.0	12.0	
Total :		**203.6**	**32.0**	**235.6**	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Remarks
1	MEE salts with 4 % Moisture	23.91TPD	Sent to TSDF, Dundigal for secured land fill
2	ETP Sludge	0.5 TPD	
3	Inorganic residue	2.94 TPD	
4	Distillation bottom residue	0.31 TPD	Sent to Cement plant for Co-processing/AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla/ M/s. TSDF Dundigal.
5	Process/ organic Residue	11.58 TPD	
6	Spent Carbon	1.94 TPD	
7	Stripper waste	0.5 TPD	
8	Ash from boilers	40.8 TPD	Sold to brick manufacturers
9	Waste /Used Oil	3500 LPA	Authorized Recyclers/ Re-processors
10	Spent Mixed solvents	24.9 TPD	End users/Authorized cement manufacturing units for co-processing.
11	Used batteries	15 No.s Per Annum	Sent to Authorized Recyclers
12	container & container liners of hazardous waste & chemicals	1000 No.s/ Month	After detoxification, disposed to outside agencies
13	LDPE bags	600 Kgs/month	Authorized Recyclers
14	Insulation waste	500 Kgs/Annum	TSDF Dundigal for secured landfill or authorized recyclers
15	Glass bottles and broken glass ware	200 Nos per month	
16	e-waste	50 kgs/month	Authorized Recyclers/ Re-processors

After detail discussions, the SEAC recommended the project for issue of EC.

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Agenda Item No. 15	**M/s. Vishnu Chemical Limited, Sy.No.14, 15, 16(P), 17(P) and 25(P), IDA Gaddapotharam (V), Jinnaram (M), Sangareddy District - Environmental Clearance (Expansion) - Reg.**
Proposal No.	**SIA/TG/IND2/175011/2020 (EC)**

The representative of the project proponent Sri TBNV Sunder Rao; and Dr. Pallavi & Sri P.V.Raju of M/s. Pridhvi Envirotech Pvt.Ltd., Hyderabad attended and made a presentation before the SEAC.

The industry was established in the year 1990 with NOC dt. 03.11.1989. The proponent submitted copies of subsequent CFE orders dt. 20.05.2004, 25.07.2005 & 04.06.2010 for manufacturing Bulk Drugs & Inorganic Chemicals.

The proponent is operating the unit with latest CFO order dt.04.07.2016 of TSPCB valid upto 30.06.2021. The proponent submitted Self-compliance Report for conditions stipulated in CFO.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 1725 TPM to 2085.3 TPM.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Expansion as follows:

Total area Existing is 3.24 Acres and proposed additional 7.15 Acres and total area after expansion will be 10.39 Acres, out of which Green belt area is 4.44 Acres (40%).

Nearest human habitation is Gaddapotharam(V) @ 0.69 km; Nearest water body is Gaddapotharam cheruvu @ 0.55 km; Nearest RF is Kistanpalli RF @ 11 mts from the industry.

Project Cost for proposed expansion is Rs. 80.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 20.0 crores and Recurring Cost is Rs. 10.8 crores /annum. Budget for CER is Rs.80.0lakhs in first 5 years.

The details of Products, by-products & production capacity after expansion are as following:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Basic Chromium Sulphate	20000.0	600.0
2	Yellow Sodium Sulphate	16000	480.0
3	Menadione Sodium Sulphate	1000.0	30.0
4	Ortho SulphoBenzamide	500.0	15.0
5	Chrome Oxide Green	12500	375.0
6	Potassium Bichromate	7500.0	225.0
7	Lamivudine	1000.0	30.0
8	TenofovirDiisoproxil fumarate	1000.0	30.0
9	Ritonavir	1000.0	30.0
10	Hydroxychloroquine	1000.0	30.0
11	Telmisartan	1000.0	30.0
12	Febuxostat	1000.0	30.0
13	Rosuvastatin Calcium	1000.0	30.0
14	Gemcitabine Hydrochloride	1000.0	30.0
15	Montelukast Sodium	1000.0	30.0
16	MoxifloxacinHCl	1000.0	30.0
17	Ofloxacin	1000.0	30.0
18	Tadafil	1000.0	30.0
19	R &D Products	10.0	0.3
	Total	**69510.0**	**2085.3**

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By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	Ortho SulphoBenzamide and Menadione Sodium Sulphate	Chromic acid Liquor	22.2 Kl/day	666 Kl/month
2	Lamivudine	1,1,3,3,3-Hexamethyldisiloxane (HMDO)	1357.30	40.7
3	Lamivudine	L- Menthol	910.68	27.3

Details of Utilities, Stacks & Air pollution control equipment's after expansion:

S.No.	Utility	Stack Height (mt)	APCE
1	**Husk fired boiler** Existing: 1x 4 TPH **Coal fired Boiler:** Proposed: 1x 4TPH, 1 x 6 TPH, 1 x 8 TPH	30 m 30 m	MDC/ Bag filter
2	**Rotary Klins (Diesel/ Kerosene fired)** Existing: 2 x 6TPD	10 m	Adequate stack
3	**Attached to Ball Mill** Existing -1 No.	10 m	Scrubber
4	**DG Sets:** Existing: 1 x 250kVA, 2 x 125 kVA, Proposed: 1 x 1000 kVA, 1 x 500 kVA, 1 x 350 kVA	Adequate height	Acoustic enclosure
5	**Thermic fluid heater** Proposed 1 x 4 Lakh K Cal/Hr	10 m	Adequate Stack

The process emissions containing Hydrogen Chloride, Carbon Monoxide, Sulphur dioxide, Chlorine& Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen gas are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely dispersed into the atmosphere through water column.

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	264.0	-	264.0
2	Washings	10.0	-	10.0
3	Scrubber	5.0	-	5.0
4	Boiler make up	20.0	180.0	200.0
5	Cooling Towers make up	42.0	38.0	80.0
6	DM plant	5.0	-	5.0
7	Domestic	10.0	-	10.0
8	Gardening	20.0	-	20.0
	Total	**376.0**	**218.0**	**594.0**

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Details of Effluent generation, treatment & disposal after expansion:

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	232.3	-	232.3	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD. **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up
2	Washings	10.0	-	10.0	
3	Scrubber	5.0	-	5.0	
4	Boiler	-	15.0	15.0	
5	Cooling tower	-	6.0	6.0	
6	RO/DM Plant	-	5.0	5.0	
7	Domestic	-	8.0	8.0	
Total :		**247.3**	**34.0**	**281.3**	

Details of Solid Waste after expansion:

S.No	Description	After expansion Quantity in TPD	Remarks
1	MEE salts with 4 % Moisture	18.5	Sent to TSDF, Dundigal for secured land fill
2	ETP Sludge	10.0	
3	Inorganic residue	7.2	
4	Distillation bottom residue	4.8	Sent to Cement plant for Co-processing/AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla/ M/s. TSDF Dundigal.
5	Process/ organic Residue	18.7	
6	Spent Carbon	1.8	
7	Stripper waste	13.3	
8	Ash from boilers	17.0 TPD	Sold to brick manufacturers
9	Waste /Used Oil	3500 LPA	Authorized Recyclers/ Re-processors
10	Spent Mixed solvents	113.0 TPD	End users/Authorized cement manufacturing units for co-processing.
11	Used batteries	15 No.s Per Annum	Sent to Authorized Recyclers
12	Container & container liners of hazardous waste & chemicals	1000 No.s/ Month	After detoxification, disposed to outside agencies
13	LDPE bags	600 Kgs/month	Authorized Recyclers
14	Insulation waste	500 Kgs/Annum	TSDF Dundigal for secured landfill or authorized recyclers
15	Glass bottles and broken glass ware	200 Nos per month	
16	e-waste	50 kgs/month	Authorized Recyclers/ Re-processors

After detail discussions, the SEAC recommended the project for issue of EC.

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Agenda Item No. 16	M/s. Congruent Remedies Private Limited, Sy.No.211, Terpole (V), Kondapur (M), Sanagareddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/175434/2020 (EC)

The representative of the project proponent Sri E. Venu Gopal; and Dr. Pallavi & Sri P.V.Raju of M/s. Pridhvi Envirotech Pvt Ltd., Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that the proposal is for established of API manufacturing unit.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019, of the EFS&T Dept., GoTS.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project after proposed Project as follows:

Total area is 9.90 acres, out of which Green area is 3.52 Acres (35.6%).

Nearest human habitation is Hardaspur @ 1.36 km; Nearest water body is Pond near Hardaspur @ 2.13 km from the industry.

Project Cost for proposed project is Rs. 30.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 8.0 crores and Recurring Cost is Rs. 518.0 Lakhs/annum. Budget for CER is Rs.60.0 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Atorvastatin Calcium	166.7	5.0
2	Ciprofloxacin HCl	166.7	5.0
3	CetrizineDihydrochloride	66.7	2.0
4	Dexlansoprazole	133.3	4.0
5	Dexrabeprazole	133.3	4.0
6	Diclofenac sodium	200.0	6.0
7	Domperidone	200.0	6.0
8	Esomeprazole magnesium	200.0	6.0
9	Flucanazole	66.7	2.0
10	Itraconazole	166.7	5.0
11	Lansoprazole	100.0	3.0
12	levocetirizinedihydrochloride	100.0	3.0
13	levosulpiride	133.3	4.0
14	losartan potassium	133.3	4.0
15	Omeprazole	300.0	9.0
16	pantaprazole Sodium	200.0	6.0
17	Rabeprazole Sodium	200.0	6.0
18	Telmisartan	200.0	6.0
19	Teneligliptin Hydro Bromide hydrate	100.0	3.0
20	Iopamidol	200.0	6.0
21	Ipromide	300.0	9.0
22	Iohexol	166.7	5.0
23	Tamsulosin	200.0	6.0
24	2[(4-Chloro-3-Methyl-2-Pyridinyl-Methyl) Thio]-1H Benzimidazole (Rabeprazole intermediate)	200.0	6.0

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25	2-{[(3,5-dimethyl-4-Methoxy-2-pyridinyl)-methyl] thio}-5-Methoxy-1H Benzimidazole (Omeprazole Intermediate-sulphide)	300.0	9.00
26	2-Chloro methyl-4-muthoxy-3,5-dimethyl- pyridine hydrochloride (Omeprazole Intermediate-chlorocompound)	200.0	6.00
27	3,5-Dimethyl-4-nitro-pyridinel-oxide (Omeprazole Intermediate- Nitro compound)	300.0	9.00
28	5- Amino2,4,6 triiodobenzene-1,3-sulfur dioxidedicarbonyl chloride	333.3	10.00
29	R & D Products	1.0	0.03
	Total	**5167.7**	**155.03**

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	Omeprazole	Ammonium sulphate	6045.41	181.36

Details of Utilities, Stacks & Air pollution control equipments Proposed:

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** 1x 10TPH &1 x 6 TPH	30 m	Cyclone Separator/Bag filters
2	**Thermic fluid heater** 2.0 Lakh K.cal/hr	10 m	Adequate Stack
3	**DG Sets:** 2 x 500 kVA.	4.5 m	Adequate Stack and Acoustic enclosure

The **process emissions** containing Hydrogen Chloride, Sulphur dioxide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen gas are to be safely dispersed into the atmosphere.

Details of Water requirement Proposed:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	86.3	-	86.3
2	Washings	10.0	-	10.0
3	Scrubber	5.0	-	5.0
4	Boiler	40.0	80.0	120.0
5	Cooling tower	21.0	29.0	50.0
6	DM / RO Plant	5.0	-	5.0
7	Domestic	5.0	-	5.0
8	Gardening	10.0	-	10.0
	Total	**182.3**	**109.0**	**291.3**

Details of Effluent generation, treatment & disposal Proposed:

S. No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	99.03	-	99.03	Zero Liquid Discharge System ie., **HTDS**: Stripper, MEE & ATFD **LTDS**: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	10.0	-	10.0	
3	Scrubber	4.0	-	4.0	
4	Boiler	-	12.0	12.0	
5	Cooling tower	-	5.0	5.0	
6	DM / RO Plant	-	5.0	5.0	
7	Domestic	-	4.0	4.0	
	Total :	**113.03**	**26.0**	**139.03**	

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Details of Solid Waste Proposed:

S.No	Description	Quantity	Remarks
1	MEE salts with 4 % Moisture	4.67 TPD	Sent to TSDF
2	ETP Sludge	0.2 TPD	
3	Inorganic residue	0.52 TPD	
4	Process/ organic Residue	3.27 TPD	Authorized Cement Industries for co-processing
5	Distillation residue	0.80 TPD	
6	Spent Carbon	0.28 TPD	
7	Ash from boilers	15.2	Sold to brick manufacturers
8	Waste /Used Oil	200 LPM	Authorized Recyclers/ Re-processors
9	Mixed spent solvents	30.0 TPD	Sent to Authorized Recyclers
10	Used batteries	05 Nos/Annum	Sent to Authorized Recyclers
11	Container & container liners of hazardous waste & chemicals	1000 Nos/Month	After detoxification, disposed to outside agencies
12	e-waste	30 kgs/month	Authorized Recyclers/ Re-processors
13	HDPE Bags and LDPE Bags	1.0 TPM	After detoxification, disposed to outside agencies

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 17	**M/s. Salubrious Laboratories Pvt. Ltd., Plot No. 118, 119, 127 & 128, IDA, Phase – II, Pashamailaram Village, Patancheru Mandal, Sangareddy District. - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/174299/2020 (EC/ Expansion)**

The representative of the project proponent Sri K.E. Reddy; and Sri G.V. Reddy of M/s. Team Labs & Consultants, Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that the existing industry is operating with latest CFO order dt.22.10.2019 for manufacture of in-organic chemicals & ML's recovery. Now, the industry proposed expansion by discontinuing the existing of in-organic chemicals & ML's recovery facility and proposed to manufacture Bulk Drugs & Intermediates.

The SEAC noted that as the industry is changing the category from in-organic chemicals & ML's recovery to Bulk Drugs & intermediates in the proposed expansion, it has to be treated as a new activity / unit only.

In this regard, the SEAC noted that:

- The industry is located within IDA, Pashamylaram wherein the State Government vide G.O.Ms. No. 95, dt. 21.09.2007 imposed restrictions on Establishment / Expansion of certain categories of industries (which includes all types of Bulk Drug manufacturing units except formulation) in all the industrial estates / industrial development areas and 1 km around these industrial areas in the Districts of Medak, Ranga Reddy, Mahaboobnagar & Nalgonda, subject to outcome of W.P. 19661/02 pending in the Hon'ble High Court.
- The State Government issued G.O.Ms. No. 64, dt. 25.07.2013 amending the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP. In the amendment order, it was mentioned that "provided that the expansion of production of all types of existing Bulk Drug & Bulk Drug intermediate manufacturing units are permitted, subject to the installation of Zero Liquid Discharge (ZLD) facilities by such units and subject to the outcome of cases pending in the National Green Tribunal, Southern Zone, Chennai or in any other court. The Pollution load of Industrial unit shall be assessed at the point of Discharge, as provided in Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981."

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- The State Government issued G.O.Ms.No.24 dt.24.04.2019 further amending the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP. In the amendment order, it was mentioned that

  i) The expansion of production of all kinds of existing industrial units falling under the areas and categories covered by G.O.Ms.No.95 dt. 21.09.2007 are hereby permitted subject to compliance of the directions in the above mentioned orders of the Hon'ble NGT, dt.24.10.2017.
  ii) The ban imposed on the establishment of new industries of the categories and in the areas as mentioned in the G.O.Ms.95, dt.21.09.2007 shall continue.

Keeping in view of the above GOs, it is observed that the present proposal has to be considered as new activity / industry but not under expansion of the existing activity / industry as Bulk Drugs & Intermediates are proposed in the expansion, which cannot be permitted.

After detailed discussions and keeping in view of the above mentioned Government Orders (G.Os), the SEAC recommends to reject the proposal of expansion.

Agenda Item No. 18	**M/s. Sapala Health Sciences (P) Ltd. Sy. No. 378 Part, 379 Part, 381 Part, 390 Part, 391 Part, Chinna Shivunoor Village, Chegunta Mandal, Medak District. - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/174464/2020 (EC)**

The representative of the project proponent Sri P.Y Reddy; and Sri G.V. Reddy of M/s. Team Labs & Consultants, Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that the proposal is for established of API manufacturing unit.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019 of the EFS&T Dept., GoAP.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project as follows:

Total area is 14.13 acres, out of which Green area is 4.68 acres (33.12%).

It was reported that nearest human habitation is Lankareddipalli Hamlet @ 0.55 km (but, it is 540 mts as per google map); Nearest water body is Wadiaram Lake @ 0.75 km; Nearest RF is Wadiaram @ 2.2 km from the industry.

Project Cost is Rs.30 Crores. Budget for Environmental protection towards Capital Cost is Rs. 10.48 crores and Recurring Cost is Rs.10.39 crores. Budget for CER is Rs. 60 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Manufacturing Capacity

S. No	Name of Product	Capacity	
		TPM	Kg/Day
1	Alendronate Sodium	3	100
2	Aripiprazole	9	300
3	Atorvastatin Calcium	1.2	40
4	Azacitidine	3	100
5	Bicalutamide	3	100
6	Bortezomib	0.45	15
7	Candesartan	2.25	75

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8	Capacitabine	12	400
9	Carvedilol	6	200
10	Celecoxib	12	400
11	Cetrizine HCl	6	200
12	Citalopram HBr	4.5	150
13	Clopidogrel Bi Sulphate	3	100
14	Disodium Pamidronate	1.5	50
15	Divalprox Sodium	15	500
16	Docetaxal Trihydrate	0.3	10
17	Domperidone	3	100
18	Donepezil HCl	3	100
19	Dronedarone HCl	9	300
20	Duloxetine HCl	3	100
21	Esomeprazole Mg	15	500
22	Ezitimibe	3	100
23	Febuxostat	3	100
24	Fexofenadine Hydrochloride	3	100
25	Finasteride	0.6	20
26	Fluconazole	3	100
27	Fluxetine	15	500
28	Gemcitabine HCl	3	100
29	Glimipiride	3	100
30	Glipizide	3.75	125
31	Ibandronate Na	3	100
32	Lamotrigine	9	300
33	Lansoprazole	3.75	125
34	Levetiracetam	15	500
35	Levo Cetirizine HCl	2.25	75
36	Levofloxacin	3	100
37	Loratadine	3	100
38	Losortan Potassium	15	500
39	Montelukast Na	15	500
40	Omeprazole	3	100
41	Paclitaxel	0.6	20
42	Pantoprazole Sodium	9	300
43	Paroxetine HCl	3	100
44	Pioglitazone Hydrochloride	1.5	50
45	Pitavastatin Calcium	1.8	60
46	Prasugrel HCl	4.5	150
47	Pregabalin	7.5	250
48	Rabeprazole Sodium	3.75	125
49	Raloxifene	3	100
50	Residronate Sodium	2.4	80
51	Sertraline HCl	7.5	250
52	Simvastatin	3	100
53	Tamsulosin HCl	3	100
54	Telmisartan	3	100
55	Valsartan	7.5	250
56	Venlafaxine HCl	7.5	250
57	Zafirlukast	3	100
58	Ziprasidone HCl	3	100
59	Zoledronic Acid	3	100
60	Zolmitriptan	3	100
Total - Worst Case 14 Products on campaign basis		**165**	**5500**

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By Products

S. No	Product Name	Stage	Name of by product	Quantity (Kg/day)
1	Prasugrel Hydrochloride	I	Trityl Chloride	110

Details of Utilities, Stacks & Air pollution control equipment's:

S. No.	Utility	Stack Height (mt)	APCE
1	Boilers: Proposed: 1 x 10 TPH 1 x 6 TPH (standby)	 35 m 30 m	 Bag filter Bag filter
2	DG Sets: Proposed: 3 x 1000 kVA	Adequate height	Acoustic enclosure

Process emissions contain ammonia, hydrogen, hydrogen chloride, hydrogen bromide, hydrogen fluoride, sulfur dioxide, carbon dioxide, nitrogen and oxygen. Ammonia, hydrogen chloride, hydrogen bromide and sulphur dioxide are sent to scrubber in series. Sodium chloride from hydrogen chloride, sodium bromide from hydrogen bromide, ammonium chloride from ammonia, sodium bisulfite from sulfur dioxide scrubbing sent to ETP. Carbon dioxide, oxygen and nitrogen gases are let out into atmosphere following a standard operating procedure, while hydrogen gas is let out into atmosphere through a water column.

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	97.9		97.9
2	Washings	10		10
3	Scrubber	6		6
4	R & D	3		3
5	Boiler Feed	54		54
6	Cooling Tower	20	182	202
7	RO/DM Plant	15		15
8	Domestic	20		20
9	Gardening	20		20
	Total	245.9	182	427.9

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	105		105	Zero Liquid Discharge System and treated effluent reused in cooling towers make-up.
2	Washings	10		10	
3	R & D	3		3	
4	Scrubber Effluent	6		6	
5	RO/DM rejects	15		15	
6	Boiler Blow downs		7	7	
7	Cooling Tower Blow downs		30	30	
8	Domestic		16	16	
	Total effluent Quantity	139	53	192	

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Details of Solid Waste:

S.No	Description	Units	Quantity	Mode of Disposal
1	Ash from Boiler	TPD	22	Sold to Brick manufactures
2	Process Organic residue	TPD	6.03	Sent to TSDF/Cement Industries
3	Process Inorganic residue	TPD	1.73	Sent to TSDF
3	Solvent Residue	TPD	6.07	Sent to TSDF/Cement Industries
4	Stripper Distillate	KLD	2.4	Sent to TSDF/Cement Industries
5	Spent Carbon	Kg/day	378	Sent to TSDF/Cement Industries
6	Hyflow	Kg/day	164	Sent to TSDF
7	Catalyst	Kg/day	320	Sent to TSDF/
8	Mixed Solvents	KLD	17.1	Sent to authorized recovery units/Cement plants for co-incineration
9	Spent Solvents	KLD	153.9	Recovered within the plant premises.
10	Evaporation Salts	TPD	6.69	Sent to TSDF
11	ETP Sludge	Kg/day	185	Sent to TSDF
12	Detoxified containers	No.s/year	600	After detoxification sent to Authorized agencies
13	Waste oil	lts/Month	66	Sent to Authorized Recyclers
14	Used batteries	No.s/year	24	Sent to Authorized Recyclers

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 19	**M/s. Pavan Drugs & Chemicals Pvt. Ltd., Sy.No. 216, IDA Bothapally (V), Gummadidala (M), Sangareddy District - Environmental Clearance (Expansion) - Reg.**
Proposal No.	**SIA/TG/IND2/174788/2020 (EC)**

The representative of the project proponent Sri Mahinder Reddy; and Sri G.V. Reddy of M/s. Team Labs & Consultants, Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that proponent obtained CFE on 29.10.204 for manufacture of Fine Chemicals. Subsequently, they obtained CFE (CPM) on 31.08.2015 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.17.04.219 of TSPCB valid upto 31.03.2024 for manufacturing Bulk Drug Intermediates.The proponent submitted Self-compliance Report for conditions stipulated in CFO.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 9.0 TPM to 30.6 TPM.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category. The SEAC noted the contents of the EMP report and noted the details of the project as follows:

Total area is 1.33 acres, out of which Green area is 0.44 acres (33.08%). Nearest human habitation is Bonthapally @ 0.2 km; Nearest water body is Domadugu Cheruvu @ 0.67 km; Nearest RF is Bonthapalliy RF @ 1.8 km from the industry.

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Project Cost for expansion is Rs.2.94 Crores. Budget for Environmental protection for expansion towards Capital Cost is Rs. 1.31 crores and Recurring Cost is Rs.0.51 crores. Budget for CER is Rs.2.94 lakhs in first 3 years.

The details of Products, by-products & production capacity are as following:

Manufacturing Capacity–After Expansion

S.No	Name of Product	Quantity	
		TPM	Kg/Day
1	Abacavir sulfate	7.5	250
2	Celocoxib (CBX)	4.5	150
3	Favipiravir	0.3	10
4	Gabapentin	3	100
5	Gefitinib hydrochloride	9	300
6	Imatinib Mesylate	3.6	120
7	Itraconazole	3.0	100
8	Montelukast Sodium	3.0	100
9	Olmesartan	3.6	120
10	Remdesivir	2.4	80
11	Sumatriptan succinate	1.5	50
12	Ticagrelor	6	200
13	Atorvastatin Calcium	0.9	30
14	Candesartan Cilexitil	3	100
15	Famotidine	1.8	60
	Total - Worst Case 5 Products	30.6	1020

Details of Utilities, Stacks & Air pollution control equipment's:

S. No.	Utility	Stack Height (mt)	APCE
1	**Boilers:** Existing:1 x 1 TPH Proposed: 1 x 4 TPH	 12 m 30 m	 Bag filter Bag filter
2	**DG Sets:** Existing:1 x 165 kVA Proposed: 1 x 500 kVA	Adequate height	Acoustic enclosure

Process emissions contain hydrogen, hydrogen chloride, hydrogen bromide, sulfur dioxide and carbon dioxide. Hydrogen chloride, hydrogen bromide and sulphur dioxide are sent to scrubber in series. Sodium chloride from hydrogen chloride, sodium bromide from hydrogen bromide, sodium bisulfite from sulfur dioxide scrubbing sent to ETP. Carbon dioxide gas is let out into atmosphere following a standard operating procedure, while hydrogen gas is let out into atmosphere through a water column.

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	20.4		20.4
2	Washings	0.8		0.8
3	Scrubber	2		2
4	Boiler Feed	12	3	15
5	Cooling Tower	8	27	35
6	RO/DM Rejects	1.5		1.5
7	Domestic	3		3
8	Gardening	2		2
	Total water requirement	49.7	30	79.7

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Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process & Washings	22.6		22.6	Zero Liquid Discharge System and treated effluent reused in cooling towers make-up and Boilers Make up.
2	Scrubber Effluent	2		2	
3	Boiler Blow downs		1.5	1.5	
4	Cooling Tower Blow downs		6	6	
6	RO/DM Rejects		1.5	1.5	
7	Domestic		2.5	2.5	
Total effluent Quantity		24.6	11.5	36.1	

Details of Solid Waste:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	0.915 TPD	Sent to TDSF/Cement Plants for Co-incineration
2	Solvent Residue	0.73 TPD	
3	Spent Carbon	122.4 Kg/day	
4	Spent Solvents	27.8 KLD	Recovered within plant premises and reused
5	Spent Mixed Solvents	3.1 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Evaporation salts	1.42 TPD	Sent to TSDF
7	ETP Sludge	45 Kg/day	Sent to TSDF
8	Inorganic / Forced Evaporation Sludge	0.197 TPD	Sent to TSDF
9	Hyflow	1.5 Kg/day	Sent to TSDF
10	Catalyst	35.8 Kg/day	Sent to TSDF
11	Ash from Boiler	17.04 TPD	Sold to Brick manufactures
12	Detoxified containers & liners	200 No.s/ Month	Sold to authorized vendors
13	Waste oil	44 Lts/month	Sent to Authorized Recyclers
14	Used batteries	12 No.s/Yr	Sent to Authorized Recyclers

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 20	**M/s. Klio Pharma Pvt. Ltd. Sy. No. 512 to 518, 524 & 525, Khajapur (V), Shankerampet (M), Medak District - Environmental Clearance - Reg.**
Proposal No.	SIA/TG/IND2/174843/2020 (EC)

The representative of the project proponent Sri T. Vijay & Sri K. Satish; and Sri G.V. Reddy of M/s. Team Labs & Consultants, Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that the proposal is for established of API manufacturing unit.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project as follows:

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Total area is 15.2 acres, out of which Green area is 5.26 acres (34.6%).

It was reported that nearest human habitation is Kumarpalli Hamlet @ 0.55 km; Nearest water body is Khajapurcheruvu @ 0.35 km (but, it is 320 mts as per google map); Nearest RF is Khajapur @ 0.95 km from the industry.

Project Cost is Rs.45 Crores. Budget for Environmental protection towards Capital Cost is Rs. 10.33 crores and Recurring Cost is Rs.12.69 crores. Budget for CER is Rs.94 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Manufacturing Capacity

S.No	Name of Product	Quantity	
		Kg/Day	TPM
1	Losartan Potassium	500	15
2	Telmisartan	500	15
3	Norfloxacin	500	15
4	Ofloxacin	300	9
5	Levofloxacin	300	9
6	Ritonavir	200	6
7	Levetiracetam	250	7.5
8	Carbamazepine	200	6
9	Valsartan	500	15
10	Olmesartan	500	15
11	Atorvastin Calcium	500	15
12	Acyclovir	500	15
13	Lopinavir	500	15
14	Abacavir Sulphate	25	0.8
15	Clopidogrel Bisulphate	115	3.5
16	Cyclobenzaprine HCl	100	3
17	Donepezil HCl	42	1.26
18	Domperidone	600	18
19	Loratadine	400	12
20	Itraconazole	100	3
21	Gabapentin	1000	30
22	2-(1-(2-amino-2-oxoethyl) cyclohexyl) acetic acid	2000	60
23	Pregabalin	200	6
24	Quetiapine Hemifumarate	300	9
25	Irbesartan	200	6
26	Citalopram HBr	50	1.5
27	Celecoxib	100	3
28	Sertraline Hydrochloride	250	7.5
29	Nevirapine	150	4.5
30	Darunavir	20	0.6
31	Effavirenz	300	9
32	Remdesivir	100	3
33	Hydroxy Chloroquine Sulfate	80	2.4
34	Escitalopram Oxalate	600	18
35	Lamotrigine	200	6
36	Enalapril maleate	500	15
37	Ciprofloxacin	2000	60
38	Dasatinib	20	0.6
39	Imatinib Mesylate	100	3
40	Gemcitabine HCl	50	1.5
41	Labetalol	500	15

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42	Ticagrelor	500	15
43	Amoxicillin	33	1
44	Azithromycin	33	1
45	Ceftriaxone	75	2.3
46	Cefixime	500	15
47	Cefalexine	500	15
48	Metformin Hcl	500	15
49	Clindamycin Palmiate HCl	170	5.1
50	Meropenem intermediate	500	15.0
51	Paracetamol	500	15
52	11-Piperazino Dibenzo [b,f] [1,4] Thiazepine Hydrochloride	250	7.5
53	2-[[[4-(3-methoxy propoxy)-3-methyl-2-pyridinyl] methyl] thio]-1H-benzimidazole	400	12
54	2-[[[3-methyl-4-(2,2,2-trifluoro ethoxy)-2-pyridinyl]methyl] sulfanyl]-1H-benzimidazole	400	12
55	2[[[3-Methyl-4-(nitro)-2-pyridinyl]methyl]sulfanyl]-1H-benzimidazole	25	0.8
56	2-{[(3,5-Dimethyl-4-methoxy-2-pyridinyl)-methyl]thio)-5-methoxy-H I-benzimidazole	100	3
57	Aspirin	1500	45
58	Oxcarbazepine	250	7.5
59	Clarythromycine	200	6
60	R&D and Validation Products	2	0.06
	Total -Worst Case 10 Products	**9700**	**291**

By Products

S.No	Name of Product	Stage	Name of By Product	Quantity (Kg/day)
1	Acyclovir	I	Acetic acid	416.3
		II	Acetic anhydride	299.5
2	Quetiapine Hemifumarate	III	Phosphoric acid (20%)	6271
3	Hydroxy Chloroquine Sulfate	I	Phosphoric acid	54
4	Amoxicillin	III	Trimethylsilanol	8.1
			Methyl acetoacetate	10.5
			Pivalic acid	9.2
5	Cefixime	I	Tri phenyl phosphine oxide	336
		II	Phenyl Acetic Acid	140.6
		III	2-mercapto benzothiazole	184.3
6	Cefalexine	III	Ethyl aceto acetate	168.6
			Pivalic acid	147.7
7	Paracetamol	I	Acetic acid	223.2
8	11-Piperazino Dibenzo [b, f] [1, 4] Thiazepine. Hydrochloride	IV	Piperazine.HCl	92.4
		III	Polyphosphoric acid	500
9	2- [[[4-(3-methoxy propoxy)-3-methyl-2-pyridinyl] methyl] thio]-1H-benzimidazole	II	Sodium Acetate	114.3
			Spent Acetic Acid	83.7
10	2-[[[3-methyl-4-(2,2,2-trifluoro ethoxy)-2-pyridinyl] methyl] sulfanyl]-1H-benzimidazole	I	Spent Acetic Acid	300
			Sodium Acetate	121
11	2-{[(3,5-Dimethyl-4-methoxy-2-pyridinyl)-methyl] thio}-5-methoxy-1H-benzimidazole	I	Ammonium persulphate Dimethyl sulphate salt	155.9

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Details of Utilities, Stacks & Air pollution control equipment's:

S.No.	Utility	Stack Height (mt)	APCE
1	**Boilers:**		
	Proposed: 1 x 3 TPH	30 m	Bag filter
	1 x 5 TPH	30 m	Bag filter
	1 x 10 TPH	35 m	Bag filter
2	**DG Sets:**	Adequate	Acoustic enclosure
	Proposed: 1 x 1010 kVA and 2 x 500 kVA	height	
3	**Thermic Fluid Heater**		
	Proposed: 2 x 2 Lakh K.cal/hr	30 m	Effective stack height

Process emissions contain ammonia, hydrogen, hydrogen chloride, hydrogen bromide, sulfur dioxide, carbon dioxide and nitrogen. Ammonia, hydrogen chloride, hydrogen bromide and sulphur dioxide are sent to scrubber in series. Sodium chloride from hydrogen chloride, sodium bromide from hydrogen bromide, ammonium chloride from ammonia, sodium bisulfite from sulfur dioxide scrubbing sent to ETP. Carbon dioxide and nitrogen gases are let out into atmosphere following a standard operating procedure, while hydrogen gas is let out into atmosphere through a water column.

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	154		154
2	Washings	8		8
3	Scrubber	5		5
4	Boiler Feed	70	45	115
5	Cooling Tower	120	225	345
6	RO/DM Plant	25		25
7	Domestic	10		10
8	Gardening	10		10
	Total water requirement	**402**	**270**	**672**

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	165.5		165.5	Zero Liquid Discharge System and treated effluent reused in cooling towers make-up and Boilers Make up.
2	Washings	8		8	
3	Scrubber Effluent	5		5	
4	RO/DM Plant Rejects	25		25	
5	Boiler Blow downs		12	12	
6	Cooling tower Blow downs		62	62	
7	Domestic		9	9	
Total effluent Quantity		**203.5**	**83**	**286.5**	

Details of Solid Waste:

S. No	Description	Unit	Quantity	Mode of Disposal
1	Process Organic residue	TPD	11.2	Sent to cement plants for co-incineration/TSDF Dundigal.
2	Solvent residue	TPD	5.2	
3	Spent Carbon	Kg/day	524	
4	Hyflow	Kg/day	168.2	Sent to TSDF
5	Evaporation Salts	TPD	10.7	

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6	Catalyst	Kg/day	188.2	
7	Inorganic Residue	Kg/day	865.5	
8	ETP Sludge	TPD	3.3	
9	Boiler Ash	TPD	6.13	Sent to brick manufacturers
10	Spent Solvents	KLD	161.8	Recovered within plant premises and reused.
11	Spent Mixed solvents	KLD	40.4	Sent to Authorized recyclers
12	Stripper Distillate	KLD	4.7	Sent to cement plants for co-incineration/TSDF, Dundigal
13	Waste oils & Grease	KLPA	5	Sent to authorized agencies
14	Used Lead acid Batteries	No.s/year	35	Sent to suppliers on buy back basis
15	Bio medical waste	Kg/month	6	Sent to authorized common biomedical treatment facility
16	Detoxified containers & bags	Nos /month	900	Sent to authorized recyclers
17	Used PPE	Kgs/ Month	20	Sent to authorized vendor
18	E- Waste	TPA	0.2	Authorized recyclers
19	Plastic Waste	TPA	0.1	Authorized recyclers
20	Metal Scrap	TPM	10	Sale to outside agencies/ recyclers
21	Used Filters (HEPA filters, Oil Filters)	Nos /year	85	Sent to TSDF
22	Used / Discarded RO Membranes	TPA	0.2	Sent to TSDF

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 21	**M/s. Richline Pharma Ltd., Sy. No. 360, 361, 360a, 361b, Gundlamachnoor (V), Hatnoor (M), Sangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/174916/2020 (EC)**

The representative of the project proponent Sri Y. Ramesh Babu; and Sri G.V. Reddy of M/s Team Labs & Consultants, Hyderabad attended and made a presentation before the SEAC.

It was informed that the proponent obtained No Objection Certificate vide letter dated 04.06.1993 for manufacturing of Atenolol (2 TPM); Pentaxy Fillino (2 TPM); & Nife dipine (2TPM). Subsequently, the unit obtained CFO vide order dated 21.04.1995.

Meanwhile, the unit became sick and later on the proponent submitted application on 11.04.2019 to TSPCB for Renewal of CFO. But, the CFO application of the industry was rejected vide order dt.03.08.2019. The proponent submitted a copy of lr.dt.14.12.2020 of TSPCB wherein, it was reported that presently there is no Plant & Machinery existing at the site and sheds are also in dilapidated condition. Further, the industry has to take up total re-construction of the Plant. The Board directed the industry to approach for permission after re-constructing the Plant i.e., providing all the process equipments and adequate pollution control & treatment system required.

Now, keeping in view of the S.O. 1223(E), dt.27.03.2020 the proponent proposed to expand the Active Pharma Ingredients (Bulk drugs and Intermediates) manufacturing capacity by replacing the existing infrastructure to 8.06 TPD in existing site area of 10.13 acres.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 200.01 kg/day to 8060.0 kg/day.

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The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project as follows:

Total area is 10.13 acres, out of which Green area is 3.3 acres (33%). Nearest human habitation is Gundlamachanur(V) @ 1.12km; Nearest water body is Seasonal nala Nakka vagu @ 0.65 km from the industry.

Project Cost is Rs.38 Crores. Budget for Environmental protection towards Capital Cost is Rs. 10.33crores and Recurring Cost is Rs.11.78 crores. Budget for CER is Rs 78 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Manufacturing Capacity-After Expansion

S.No	Name of Product	Capacity	
		Kg/Batch	Kg/day
1	OmlesartanMedoxomil	150	300
2	Hydroxy Chlorouine	80	240
3	Favipiravir	100	300
4	Tricagrelor	33	200
5	Pregabalin	150	450
6	Apixapan	25	40
7	Brivaracetam	50	850
8	Ibrutinib	25	250
9	Rivorxaban	50	100
10	Citicoline Sodium	100	500
11	Nabivolol HCl	150	1200
12	Iohexol	83	150
13	Iopamidol	83	150
14	Tenofovir	330	350
15	Linagliptin	25	75
16	Moxifloxacin HCl	50	150
17	Sitagliptin Phosphate	50	150
18	Silodoxin Silodosin	13	50
19	Raltegravir Potassium	80	800
20	Dapaglifozin	25	75
21	Empaglifozin	25	75
22	Saxagliptin	25	150
23	Levofloxacin	300	1500
24	Ritanavir	50	500
25	Lopinavir	83	120
26	Darunavir intermediate	20	225
27	Carbonic Acid-4-Nitro Phenyl - 5- Thiazoyl Methyl Ester	100	800
28	(2S)-3-Methyl-2-((Methyl-2-((Methyl-((2-(1-Methyl Ethyl) Thazole-4-Yl) Methyl) Carbonyl) Amino) Butanoic Acid (MTV).	40	200
29	(2S, 3S, 5S)-2-Amino-3-Hydroxy-5-(1-Tetra Hydro Pyramid-2-Onyl)-3-(Methyl Butanoyl) Amino-1, 6-Diphenyl Hexane-S-Pyro Glutamate (THP)	100	200
30	2,6-Dimethyl phenoxy acetyl chloride (DPC)	50	150
31	5,8-Dihydro Naphthol	170	510
32	Trans-4-Methyl Cyclohexyl Isocynate	50	150
33	4-[2-[(3- ethyl-4-methyl-2-oxo-3-pyrrolin-1-yl)carboxamido]ethyl] benzene sulfonamide	100	300

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34	5-Hydroxy Methyl thiazole (5-HMT)	60	180
35	R&D and Validation Products		50
	Total - Worst Case 12 Products	**1750**	**8060**

By Products-After Expansion

S.No	Name of Product	Stage	Name of By-Product	Quantity (Kg/Day)
1	Olmesartan Medoxomil	II	Trityl Alcohol	139.8
2	Hydroxy Chloroquine Sulfate	I	Phosphoric acid	59.8
3	Tenofovir	II	Ethyl Bromide	263.1
			Paratoluene Sulfonic Acid	209.5
4	Ritonavir	I	p-Nitro Phenol	150.8
			t-Butyl Chloroformate	148.1
5	(2S)-3-methyl-2-((methyl-((2-(1-methylethyl) thiazole-4-yl)methyl) amino butanoic acid	I	4-Nitrophenol	88.8
6	(2s, 3s, 5s)-2-Amino-3-Hydroxy-5-(1-Tetra Hydro Pyramid-2-Onyl)-3-(Methyl Butanoyl) Amino-1, 6-Diphenyl Hexane-S-Pyro Glutamate (THP)	I	Monosodium citrate	79.6

Details of Utilities, Stacks & Air pollution control equipment's:

S. No.	Utility	Stack Height (mt)	APCE
1	**Boilers:** Permitted: 1 x 1 TPH* *will be dismantled after expansion Proposed:1 x 8 TPH 2 x 4 TPH (1 x 4 will be standby)	 20 m 30 m 30 m	 Multicyclone separator Bag filter Bag filter
2	**DG Sets:** Proposed: 1 x 1010 kVA and 1 x 500 kVA	10 m each	Effective stack height
3	**Thermic Fluid Heater** Proposed: 1 x 2 Lakh K.cal/hr	10 m	Effective stack height

Process emissions contain ammonia, hydrogen, hydrogen chloride, hydrogen bromide, sulfur dioxide, carbon dioxide and nitrogen Ammonia, hydrogen chloride, hydrogen bromide and sulphur dioxide are sent to scrubber in series. Sodium chloride from hydrogen chloride, sodium bromide from hydrogen bromide, ammonium chloride from ammonia, sodium bisulfite from sulfur dioxide scrubbing sent to ETP. Carbon dioxide and nitrogen gases are let out into atmosphere following a standard operating procedure, while hydrogen gas is let out into atmosphere through a water column.

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	105		105
2	Washings	10		10
3	Scrubber	8		8
4	Boiler Feed	50	20	70
5	Cooling Tower	150	165	315
6	RO/DM Rejects	15		15
7	Domestic	10		10
8	Gardening	10		10
	Total water requirement	**358**	**185**	**543**

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Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	111.6		111.6	Zero Liquid Discharge System and treated effluent reused in cooling towers make-up and Boilers Make up.
2	Washings	10		10	
3	Scrubber Effluent	8		8	
4	RO/DM Plant Rejects	15		15	
5	Boiler Blow downs		8	8	
6	Cooling tower Blow downs		35	35	
7	Domestic		9	9	
Total effluent Quantity		**144.6**	**52**	**196.6**	

Details of Solid Waste:

S. No	Description	Unit	Quantity	Mode of Disposal
1	Process Organic residue	TPD	9.43	Sent to cement plants for co-incineration/TSDF Dundigal.
2	Solvent residue	TPD	4.8	
3	Spent Carbon	TPD	0.28	
4	Hyflow	Kg/day	94.5	Sent to TSDF
5	Catalyst	Kg/day	258.6	
6	Evaporation Salts	TPD	7.77	
7	Inorganic Residue	TPD	3.38	
8	ETP Sludge	TPD	2.07	
9	Boiler Ash	TPD	3.57	Sent to brick manufacturers
10	Spent Solvents	KLD	174.79	Recovered within plant premises and reused.
11	Spent Mixed solvents	KLD	19.4	Sent to Authorized recyclers
12	Stripper Distillate	KLD	2.9	Sent to cement plants for co-incineration/TSDF, Dundigal
13	Waste oils & Grease	KLPA	2.5	Sent to authorized agencies
14	Used Lead acid Batteries	Nos/ year	20	Sent to suppliers on buy back basis
15	Detoxified containers & bags	Nos / Month	650	Sent to authorized recyclers
16	Used PPE	Kgs/ Month	15	Sent to authorized vendor
17	E- Waste	TPA	0.2	Authorized recyclers
18	Plastic Waste	TPA	0.1	Authorized recyclers
19	Used Filters (HEPA filters, Oil Filters etc)	Nos /year	80	Sent to TSDF
20	Used / Discarded RO Membranes	TPA	0.1	Sent to TSDF

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 22	**M/s. KJSN Labs Pvt. Ltd., Sy No: 267, 268, Aipoor (V), Chityal (M), Nalgonda District. - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/175664/2020 (EC)**

The representative of the project proponent Sri K. Srinivas; and Sri G.V. Reddy of M/s. Team Labs & Consultants, Hyderabad attended and made a presentation before the SEAC.

CHAIRMAN, SEAC

The SEAC noted that the proposal is for established of API manufacturing unit.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project as follows:

Total area is 17.19 acres, out of which Green area is 5.67 acres (33%).

Nearest human habitation is Yepur(V) @ 2.42km; Nearest water body is Seasonal nala Jalu vagu @ 0.44 km; Nearest RF is Rajkonda @ 9.8 km from the industry.

Project Cost is Rs.35 Crores. Budget for Environmental protection towards Capital Cost is Rs. 10 crores and Recurring Cost is Rs.7.88 crores. Budget for CER is Rs.70 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Manufacturing Capacity

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Abiraterone Acetate	1516.7	0.5
2	Afatinib	23.3	0.7
3	Anastrazole	10	0.3
4	Bicalutamide	33.3	1
5	BenDamustine HCl	16.7	0.5
6	Bexarotene	1313.3	9.4
7	Bosutinib	10	0.3
8	Capecitabine	1866.7	11
9	Carfilzomib	16.7	0.5
10	Ceritinib	1500	15
11	Cyclophosphamide	1200	6
12	Dasatinib	2083.3	2.5
13	Docetaxel	1808.3	24.25
14	Enzalutamide	33.3	1
15	Erlotinib HCl	133.3	4
16	Gefitinib	1350	10.5
17	Gemcitabine HCl	13.3	0.4
18	Ibrutinib	8.3	0.25
19	Imatinib Mesylate	1050	1.5
20	Lapatanib	1533.3	16
21	Lenvatinib	13.3	0.4
22	Olaparib	8.3	0.25
23	Palbociclib	6.7	0.2
24	Pazopanib	75	2.25
25	Sorefinib	1300	24
26	Sunitinib	1753.3	22.6
27	Tamoxifene	1366.7	11
	Total Worst Case: 22 Products on Campaign basis	**20000**	**600**
	Co-Generation Power Plant	**2 x 2 MW**	

CHAIRMAN, SEAC

By Products

S. No	Name of the Product	Stage	Name of the By Product	Quantity (Kg/day)
1	Docetaxel	1	2,2,2-Trichloro ethyl formate	795.5

Details of Utilities, Stacks & Air pollution control equipment's:

S.No.	Utility	Stack Height (mt)	APCE
1	**Boilers:** Proposed: 2 x 20 TPH 1 x 6 TPH	40 m 30 m	Bag filter Bag filter
2	**DG Sets:** Proposed: 2 x 1500 kVA	Adequate height	Acoustic enclosure
3	**Thermic Fluid Heater** Proposed: 1 x 2 Lakh K.cal/hr	15 m	Effective stack height

Process emissions contain Ammonia, Hydrogen, Hydrogen chloride and Sulfur dioxide. Ammonia, Hydrogen chloride and Sulphur dioxide are sent to scrubber in series. Sodium chloride from Hydrogen chloride, ammonium chloride from ammonia, sodium bisulfate from sulfur dioxide scrubbing sent to ETP. Hydrogen gas is let out into atmosphere through a water column.

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	148.9		148.9
2	Washings	15		15
3	Scrubber	20		20
4	Boiler Feed	80	85	165
5	Cooling Tower	180	235	415
6	RO/DM Rejects	20		20
7	Domestic	20		20
8	Gardening	10		10
	Total water requirement	**493.9**	**320**	**813.91**

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	166		166	Zero Liquid Discharge System and treated effluent reused in cooling towers make-up and Boiler Make up.
2	Washings	15		15	
3	Scrubber Effluent	20		20	
4	RO/DM Plant Rejects	20		20	
5	Boiler Blow downs		18	18	
6	Cooling tower Blow downs		92	92	
7	Domestic		18	18	
Total effluent Quantity		**221**	**128**	**348.7**	

CHAIRMAN, SEAC

Details of Solid Waste:

S.No.	Description	Qunatity	Mode of Disposal
1	Ash from Boiler	11 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	27.2 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent Residue	10.6 TPD	Sent to TSDF/Cement Industries
4	Spent Solvent	280 KLD	Recovered within plant premises and reused
5	Mixed Solvent	31 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Stripper Distillate	4.5 KLD	Sent to Cement Industries for Co-incineration
7	Spent Carbon	1.2 TPD	
8	Inorganic Residue	2.4 TPD	Sent to TSDF
9	Evaporation salts	9.1 TPD	Sent to TSDF
10	ETP Sludge	3.5 TPD	Sent to TSDF
11	Detoxified containers	5000 No.s/Yr	Sold to authorized vendors
12	Waste oil	5 KLPA	Sent to Authorized Recyclers
13	Used batteries	18 No.s/Yr	Sent to Authorized Recyclers

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 23	**M/s. MKR Pharma. Sy no.s 267 & 268, Aipoor Village, Chityal Mandal, Nalgonda District. - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/175692/2020 (EC)**

The representative of the project proponent Sri T. Gandhi Reddy. and Sri G.V. Reddy of M/s. Team Labs & Consultants, Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that the proposal is for established of API manufacturing unit.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project as follows:

It was reported that the total area is 13.35 acres, out of which Green area is 4.4 acres (33%). Nearest human habitation is Yepur (V) @ 2.32 km; Nearest water body is Seasonal nala Jalu vagu @ 0.35 km (but, 270 mts as per google map) from the industry.

Project Cost is Rs.65 Crores. Budget for Environmental protection towards Capital Cost is Rs. 12.45 crores and Recurring Cost is Rs.18.92 crores. Budget for CER is Rs.136.5 lakhs in first 5 years.

CHAIRMAN, SEAC

The details of Products, by-products & production capacity are as following:

Manufacturing Capacity

S.No	Name of Product	Capacity	
		Kg/Day	TPM
1	Abiraterone acetate	600	18
2	Anastrozole	100	3
3	Capecitabine	2500	75
4	Dexlansoprazole	750	22.5
5	Gemcitabine Hydrochloride	200	6
6	Granisetron Hydrochloride	950	29
7	Hydroxy Chloroquine Sulfate	1000	30
8	Ibandronate Sodium	600	18
9	Imatinib mesylate	600	18
10	lansoprazole	720	21.6
11	Letrozole	650	19.5
12	Residronate Sodium	630	18.9
13	Tri Ethyl Benzyl Ammonium Chloride	7200	216
14	Zoledronic acid	1500	45
	Total	18000	540

By Products

S.No	Name of Product	Stage	Name of By-Product	Quantity	
				Kg/day	TPM
1	Dexlansoprazole	I	2-phenylpropan-2-ol	276.5	8 3
2	Hydroxy Chloroquine Sulfate	I	Phosphoric acid	251.3	7.5
			Ethanol	119.0	3.6
3	lansoprazole	II	Ammonia sulphate	590.5	17.7
4	Residronate Sodium	I	Phosphorous acid	296.2	8.9
			Hydrochloric Acid (20%) from Scrubber	2101.6	63

Details of Utilities, Stacks & Air pollution control equipment's:

S.No.	Utility	Stack Height (mt)	APCE
1	**Boilers:** Proposed: 2 x 10 TPH 2 x 5 TPH	 35 m 30 m	 Bag filter Bag filter
2	**DG Sets:** Proposed: 5 x 1010 kVA and 4 x 500 kVA	10 m each	Effective stack height
3	**Thermic Fluid Heater** Proposed: 2 x 4 Lakh K.cal/hr	30 m	Effective stack height

Process emissions contain ammonia, hydrogen, hydrogen chloride, hydrogen bromide, sulfur dioxide. Ammonia, hydrogen chloride, hydrogen bromide and sulphur dioxide are sent to scrubber in series. Sodium chloride from hydrogen chloride, sodium bromide from hydrogen bromide, ammonium chloride from ammonia, sodium bisulfite from sulfur dioxide scrubbing sent to ETP.Hydrogen gas is let out into atmosphere through a water column.

CHAIRMAN, SEAC

Details of Water requirement:

S.No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	255.7		255.7
2	Washings	15		15
3	Scrubber	10		10
4	Boiler Feed	195	120	195
5	Cooling Tower	450	300	482
6	RO/DM Rejects	20		20
7	Domestic	30		30
8	Gardening	12		12
	Total water requirement	**987.7**	**420**	**1407.7**

Details of Effluent generation, treatment & disposal:

S.No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	280.4		280.4	Zero Liquid Discharge System and treated effluent reused in Boilers Make up and cooling tower.
2	Washings	15		15	
3	Scrubber Effluent	10		10	
4	RO/DM Plant Rejects	20		20	
5	Boiler Blow downs		15	15	
6	Cooling tower Blow downs		80	80	
7	Domestic		27	27	
Total effluent Quantity		**325.4**	**122**	**447.4**	

Details of Solid Waste:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	9.97 TPD	Sent to cement plants for co-incineration/TSDF Dundigal.
2	Solvent residue	6.9 TPD	
3	Spent Carbon	1206 Kg/day	
4	Hyflow	367 Kg/day	Sent to TSDF
5	Evaporation Salts	16.46 TPD	
6	Inorganic Residue	5.29 TPD	
7	ETP Sludge	6.96 TPD	
8	Boiler Ash	10.23 TPD	Sent to brick manufacturers
9	Spent Solvents	305.29 KLD	Recovered within plant premises and reused.
10	Spent Mixed solvents	53.87 KLD	Sent to Authorized recyclers
11	Stripper Distillate	6.94 KLD	Sent to cement plants for co-incineration/TSDF, Dundigal
12	Waste oils & Grease	11.63 KLPA	Sent to authorized agencies
13	Used Lead acid Batteries	50 No. s/ Year	Sent to suppliers on buy back basis
14	Bio medical waste	20 Kg/Month	Sent to authorized common biomedical treatment facility
15	Detoxified containers & bags	1000 Nos / Month	Sent to authorized recyclers
16	Used PPE	30 Kgs/ Month	Sent to authorized vendor
17	E- Waste	1 TPA	Authorized recyclers
18	Plastic Waste	5 TPA	Authorized recyclers
19	Metal Scrap	20 TPA	Sale to outside agencies/ recyclers
20	Used Filters (HEPA filters, Oil Filters etc)	150 Nos /year	Sent to TSDF
21	Used / Discarded RO Membranes	5 TPA	Sent to TSDF

After detail discussions, the SEAC recommended the project for issue of EC.

CHAIRMAN, SEAC

Agenda Item No. 24	M/s. Vega Life Sciences Pvt. Ltd., Plot. No. D- 15, 16, 21 & 22, Phase - I, IDA Pashamailaram, Patancheru Mandal, Sangareddy District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/175760/2020 (EC)

The representative of the project proponent Sri K. Venkata Reddy; and Sri G.V. Reddy of M/s. Team Labs & Consultants, Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that the existing industry is operating with latest CFO order dt.12.10.2018 and CFO (Amendment) dt.01.11.2019 for distillation of spent solvents through recovery process. Now, the industry proposed establishment of APIs Bulk Drugs & Intermediates in existing SRS facility.

The SEAC noted that as the industry is proposing to manufacture Bulk Drugs & intermediates in the Solvent Recovery Unit, it has to be treated as a new activity / unit only.

In this regard, the SEAC noted that:

- The industry is located within IDA, Pashamylaram wherein the State Government vide G.O.Ms. No. 95, dt. 21.09.2007 imposed restrictions on Establishment / Expansion of certain categories of industries (which includes all types of Bulk Drug manufacturing units except formulation) in all the industrial estates / industrial development areas and 1 km around these industrial areas in the Districts of Medak, Ranga Reddy, Mahaboobnagar & Nalgonda, subject to outcome of W.P. 19661/02 pending in the Hon'ble High Court.

- The State Government issued G.O.Ms. No. 64, dt. 25.07.2013 amending the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP. In the amendment order, it was mentioned that "provided that the expansion of production of all types of existing Bulk Drug & Bulk Drug intermediate manufacturing units are permitted, subject to the installation of Zero Liquid Discharge (ZLD) facilities by such units and subject to the outcome of cases pending in the National Green Tribunal, Southern Zone, Chennai or in any other court. The Pollution load of Industrial unit shall be assessed at the point of Discharge, as provided in Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981."
- The State Government issued G.O.Ms.No.24 dt.24.04.2019 further amending the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP. In the amendment order, it was mentioned that

  iii) The expansion of production of all kinds of existing industrial units falling under the areas and categories covered by G.O.Ms.No.95 dt. 21.09.2007 are hereby permitted subject to compliance of the directions in the above mentioned orders of the Hon'ble NGT, dt.24.10.2017.
  iv) The ban imposed on the establishment of new industries of the categories and in the areas as mentioned in the G.O.Ms.95, dt.21.09.2007 shall continue.

Keeping in view of the above GOs, it is observed that the present proposal has to be considered as new activity / industry but not under expansion of the existing activity / industry as Bulk Drugs & Intermediates are proposed in the proposal, which cannot be permitted.

After detailed discussions and keeping in view of the above mentioned Government Orders (G.Os), the SEAC recommends to reject the proposal.

Agenda Item No. 25	M/s. Salus Laboratories Pvt. Ltd, Sy.No. 284 & 285, S.Lingotam (V), Choutuppal (M), Yadadri Bhuvanagiri District. - Environmental Clearance (Expansion) - Reg.
Proposal No.	SIA/TG/IND2/175725/2020 (EC)

The representative of the project proponent Sri K. Adinaryana; and Sri G.V. Reddy of M/s. Team Labs & Consultants, Hyderabad attended and made a presentation before the SEAC.

CHAIRMAN, SEAC

The industry was established with CFE dt. 29.10.2004 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.22.12.2020 of TSPCB valid upto 31.10.2025.

The proponent submitted Self-compliance Report for conditions stipulated in CFO.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoTS.

Now, the proponent is proposing expansion of the project from 15 TPM to 98 TPM.

The SEAC examined the proposal as per the provisions laid under S.O.1223 (E), dt.27.03.2020 and considered the project under B2 Category.

The SEAC noted the contents of the EMP report and noted the details of the project as follows:

Total area is 3.3 acres, out of which Green area is 1.09 acres (33%).

Nearest human habitation is Udayagiri Colony @ 0.16 km; Nearest water body is Jaikesharamcheruvu @ 2.96 km; Nearest RF is Chotuppal @ 3.1 km from the industry.

Project Cost for expansion is Rs.20 Crores. Budget for Environmental protection for expansion towards Capital Cost is Rs. 6.09 crores and Recurring Cost is Rs.4.51 crores. Budget for CER is Rs.20 lakhs in first 5 years.

The details of Products, by-products & production capacity are as following:

Manufacturing Capacity-After Expansion

S.No	Product Name	Capacity	
		Kg/day	TPM
1	Abacavir sulfate	166.7	5
2	Celecoxib	166.7	5
3	Darunavir	100	3
4	Dolutegravir	66.7	2
5	Dorzolamide HCl	40	1.2
6	Etoricoxib	33.3	1
7	Famotidine	166.7	5
8	Imatinib mesylate	200	6
9	Irbesartan	400	12
10	Itraconazole	400	12
11	Ketoconazole	400	12
12	Losartan Potassium	400	12
13	Pantoprazole Sodium Sesquihydrate	333.3	10
14	Sildenafil citrate	33.3	1
15	Sitagliptin phosphate	33.3	1
16	Tenofovir disoproxil fumarate	66.7	2
17	N-Sulfamyl-3- ChloroPropionamideHcl	1333.3	40
18	Validation Products	100	3
	Total Production (Worst case scenario: 6 Products)	3266.7	98

CHAIRMAN, SEAC

By Products-After Expansion

S.No	Name of the By Product	Capacity	
		Kg/day	TPM
1	Abacavir sulfate	20230.7	606.9

Details of Utilities, Stacks & Air pollution control equipment's:

S. No.	Utility	Stack Height (mt)	APCE
1	Boilers: Existing: 1 x 0.5 TPH Proposed: 1 x 3 TPH	10 m 30 m	Multicyclone Separator / Bagfilter
2	DG Sets: Existing: 1 x 125kVA Proposed: 1 x 62.5 kVA and 1 x 30 kVA	Adequate height	Acoustic enclosure

Process emissions contain hydrogen, hydrogen bromide, carbon dioxide and nitrogen. Hydrogen bromide are sent to scrubber in series. Sodium bromide from hydrogen bromide scrubbing sent to ETP. Carbon dioxide and nitrogen gases are let out into atmosphere following a standard operating procedure, while hydrogen gas is let out into atmosphere through a water column.

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	17.02		17.02
2	Washings	3.0		3
3	Scrubber	2.0		2
4	Boiler Feed	45		45
5	Cooling Tower	75	25	100
6	RO/DM Rejects	4		4
7	Domestic	5		5
8	Gardening	10		10
	Total water requirement	**161.02**	**25**	**186.02**

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	19.07		19.07	Zero Liquid Discharge System and treated effluent reused in cooling towers make-up.
2	Washings	3		3	
3	Scrubber	2		2	
4	Boiler Blow downs		2.5	2.5	
5	CT Blow downs		5	5	
6	RO/DM Rejects		4	4	
7	Domestic		4	4	
Total effluent Quantity		**24.07**	**15.5**	**39.57**	

CHAIRMAN, SEAC

Details of Solid Waste:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	1.87 TPD	Sent to cement plants for co-incineration/TSDF Dundigal.
2	Distillation bottom residue	0.96 TPD	
3	Solvent residue	0.91 TPD	
4	Spent Carbon	135.3 Kg/day	
5	Inorganic Residue	0.27 TPD	Sent to TSDF
6	Evaporation Salts	1.31 TPD	
7	ETP Sludge	30 Kg/day	
8	Boiler Ash	7.2 TPD	Sent to brick manufacturers
9	Spent Solvents	34.8 KLD	Recovered within plant premises and reused
10	Spent Mixed solvents	3.9 KLD	Sent to Authorized recyclers
11	Waste oils & Grease	500 Lts/year	Sent to authorized agencies
12	Used Lead acid Batteries	2 No.s/year	Sent to suppliers on buy back basis
13	Detoxifed Containers and container liners	1800 No's/M	After complete detoxification, it shall be disposed off to outside agencies.
14	Detoxified Poly bags	90 Kg/M	
15	Used / Discarded PPE	100 Kg/M	
16	Used Centrifuged leaf filter bags	2 No's/ day	Sent to TSDF/Dundigal, Medchal District

After detail discussions, the SEAC recommended the project for issue of EC.

Agenda Item No. 26	**4.0 IIa. Rough Stone & Road Metal Quarry of Sri Mandadi Nageshwar, Sy. No. 22 (G.L), Narsimhulagudem H/o Repala Village, Munagala Mandal, Suryapet District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/134742/2020 (EC)**

Earlier, the SEAC in its meeting held on 29.10.2020 deferred the proposal for consideration after the Hon'ble NGT passes an order in W.P.141 of 2020 in proponent's favour.

In this regard, the SEAC noted that the Hon'ble NGT vide order dt.21.12.2020 disposed the O.A.No.141 of 2020 (SZ). The Hon'ble NGT directed the 8th Respondent not to operate the quarry / start the operation of the quarry and other connected activities in connection with the same without getting necessary Environmental Clearance (EC) and other permissions required under the EIA Notification, 2006 and other Environmental Laws.

After detailed discussions, the SEAC recommended the project for issue of EC

Agenda Item No. 27	**Pranceth Pranava Knight Woods by M/s. Venkata Pranceth Developers Pvt. Ltd., Sy No. 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 466, 467 and 468 Patancheru, Sangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIS/139408/2020 (EC)**

Earlier, the SEAC in its meeting held on 19.02.2020 constituted a Sub-committee to inspect the site, verify documents and submit report on present status of the project, storm water drainage, impacts of the proposed project on Nala & surrounding environment, etc.,

CHAIRMAN, SEAC

Accordingly, the Sub-committee constituted by the SEAC inspected the site on 29.07.2020 and submitted the report. The following observations were made by the Sub-Committee members:

*The project will be spread over an area of **12.07 Hectares** in Survey Nos. 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 466, 467 & 468 at Patancheruvu, Sangareddy District. The site is surrounded by residential buildings in north and west directions, Nala in east directions and 12 m wide road in South direction connecting Mumbai Highway.*

Land Allocation for various purposes

Land Use	***No. of Floor***	***No. of Units***	***Total Site Area (m^2)***	***Total Built up area (m^2)***
Villas	*G + 1*	*478*	*48311.1*	*75565.8*
Amenities	*G + 3*		*2286.9*	*4573.8*
Green area			*12065.7*	
Road area			*34442.3*	
Open area			*19519.3*	
Net Site Area		***478***	***116625.4***	***80139.6***
Nala Buffer			*4031.8*	
Total			***120657.2***	

Present status of the project:
Construction has not started. Images showing present status of the project is enclosed. The proponent obtained approval from irrigation department and accordingly prepared the plan and area statement. Nakkawagu nala/Local Streamus passing on East side boundary of site. The width of the stream is 30 m. The nala abutting survey nos. are 352 and 348.

The proposed site affected in buffer of 9m wide bufferzone ofnala passing towards east sideboundary of site to an extent of – 0.31guntas (3136.31 Sqm) as per the location sketch approved by TehsildarPatancheruvu.

The proponent proposed to provide 9.0m(4031.8 m^2) buffer for the nala adjoining these survey nos. are 352 and 348. The project is observed to have followed the guidelines as mentioned in GO 168. Extract of GO 168 related to restriction of water bodies is as follows;

Restriction of building activity in the vicinity of certain areas:

(a) ***Water Bodies***

(i) No building / development activity shall be allowed in the bed of water bodies like river or nala and in the Full Tank Level (FTL) of any lake, pond, cheruvu or kunta / shikam lands.

Unless and otherwise stated, the area and the Full Tank Level (FTL) of a Lake / Kunta shall be reckoned as measured and as certified by the Irrigation Department and Revenue Department.

(ii) The above water bodies and courses shall be maintained as Recreational/Green Buffer Zone and no building activity shall be carried out within:

(1) 100m from the boundary of the River outside the Municipal Corporation / Municipality / Nagara Panchayat limits and 50m with in the Municipal Corporation / Municipality / Nagara Panchayat limits. The boundary of the river shall be as fixed and certified by the Irrigation Department and Revenue Department.

(2) 30m from the FTL boundary of Lakes / Tunks / Kuntas of area 10Ha and above.

(3) 9m from the FTL boundary of Lakes / Tanks / Kuntas of area less than 10Ha / shikam lands:

(4) 9m from the defined boundary of Canal, Vagu, Nala, Storm Water Drain of width more than 10m.

(5) 2m from the defined boundary of Canal, Vagu, Nala, Storm Water Drain of width up to 10m

(iii) Unless and otherwise specified in the Master Plan / Zonal Development Plan.

CHAIRMAN, SEAC

(1) *In case of (ii) (1) & (2) above, the buffer zone may be utilised for road of minimum 12m width, wherever feasible.*
(2) *In case of (ii) (2) above, in addition to development of recreational / green belt along the foreshores, a ring road or promenade of minimum 12m may be developed, wherever feasible.*
(3) *The above buffer zone to be left may be reckoned as part of tot lot or organized open space and not for setback requirements.*

The Irrigation department has identified and marked FTL as per G.O.Ms.No.168.

Recommendations:

In view of the NOC of I&CAD Department and proposed environmental measures, it is recommended to issue the Environmental Clearance for the project.

The SEAC examined the report of the Sub-Committee and after detailed discussions, the SEAC recommended the project for issue of EC.

CHAIRMAN, SEAC

CHAIRMAN, SEAC