

**MINUTES OF THE 85th MEETING OF
STATE EXPERT APPRAISAL COMMITTEE,
(SEAC), TELANGANA STATE
HELD ON 26.09.2020, 10:30 A.M.**

Minutes of the SEAC Meeting held on 26.09.2020

MINUTES OF THE 85th MEETING OF STATE EXPERT APPRISAL COMMITTEE (SEAC) HELD ON 26.09.2020 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 BLPG, D.D. Colony, Hyderabad, Ph: 9866629265	Chairman.
2.	Dr.(Ms)Thatiparthi Vijayalakshmi Plot No.110, Siddartha Nagar, S.R. Nagar Post, Hyderabad-500038. Ph: 9440896661	Member
3.	Shri Ravindra Samaya Mantri H.No: 3-5-44/1, Flat No. 301, Areadia 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.	Dr.K.Shivakumar. Plot No. 328, Flat No: 302, Mehar Ninan, KPHB 6 th phase, Kukatpally, Hyderabad-500072 Ph: 9951701067	Member
6.	Prof.C.Venkateshwar, Department of Botany, University College of Science, OU. Hyd. Flat No. 117, 'C' Block, Janapriya castle, Ramnagar, Vidyanagar -- Hyderabad Ph:9440487742 & 8096754604	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.

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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 26.09.2020.

S. No.	Name of the Expert	Signature
1.	Prof.Ch.Krishna Reddy	Sd/-
2.	Dr.(Ms)Thatiparthi Vijayalakshmi	Sd/-
3.	Shri Ravindra Samaya Muntri	Sd/-
4.	Dr.Vemula Vinod Goud	Sd/-
5.	Dr.K.Shivakumar,	Sd/-
6.	Prof.C.Venkatashwar	Sd/-

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Agenda Item No. 01	M/s. Sree Mahalaxmi Labs, Sy.No.33/E & 33/EE, Rayaraopet (V), Bibinagar (M), Yadadri Bhuvanagiri District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/161695/2020 (EC)

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

The unit was established in the year 2018 and obtained CFE & CFO from Pollution control board for manufacture of Inorganic chemicals.

Now, the unit proposed to drop the existing activity and proposed bulk drugs and drug intermediates in the same location and comes under New 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 after proposed Project as follows:

Total area is Existing 1.94 Acres, out of which Green area is 0.66 Acres (34 %).

Nearest human habitation is Rayaraopet (V) @ 1.9 km; Nearest water body is Rayaraopet Cheruvu @ 2.11 km; Nearest RF is @ 0.82 km from the industry.

Project Cost for proposed project is Rs. 8.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 2.0 crores and Recurring Cost is Rs. 52.0 Lakhs/annum. Budget for CER is Rs.15.0 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	Dapoxetine hydrochloride	3.33	0.1
2	Doxylamino succinate	1.67	0.05
3	Etoricoxib	33.33	1
4	Gliclazide	3.33	0.1
5	Guaiifenesin	33.33	1
6	Lamotrigine	16.67	0.5
7	Loranitrile	16.67	0.5
8	Loraladine	6.67	0.2
9	Omeprazole	33.33	1
10	Orthotolybenzotrile (OTBN)	66.67	2
11	Pantoprazole sodium sesquihydrate	73.33	2.2
12	Risperidone	3.33	0.1
13	Salsalate	16.67	0.5
14	Sertraline hydrochloride	6.67	0.2
15	Sodium cromoglycate	1.67	0.05
16	Tamsulosin hydrochloride	6.67	0.2
17	Telmesartan	16.67	0.5

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S.No	Name of Product	Capacity	
		Kg/day	TPM
18	1-(6-Methyl-3-pyridinyl)-2(4-(methylsulfonyl) phenyl) ethanone (Ketosulfone) Etoricoxib intermediate)	16.67	0.5
19	2-chloro-1,3-bis (Dimethylamino) trimethinium hexafluoro phosphate (Etoricoxib intermediate)	66.67	2
20	3-(2-chloroethyl)-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimide-4-one hydrochloride (Risperidone intermediate)	6.67	0.2
21	6-Fluoro-3-(4-piperidiny)-1,2-benzisoxazole (Risperidone intermediate)	10.00	0.3
22	2,6-Dihydroxy acetophenone (Sodium cromoglycate intermediate)	33.33	1
23	4,7-dichloroquinoline	6.67	0.2
24	R & D Products	3.33	0.1
	TOTAL	483.33	14.50

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	Lorazepam	Ammonium Sulphate	82.5	2.5
2	Telmisartan	Sodium phosphate	25.09	0.75

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

S.No.	Utility	Stack Height (mt)	APCE
1	Boilers: Existing: 1 x 1 TPH (F.O fired) Proposed: 1 x 2.5 TPH (Coal fired)	30 m 30 m	Cyclone Separator
2	Thermic fluid heater 1 x 1 Lakh K.cal/hr	10 m	Adequate Stack
3	DG Sets: Existing: 1 x 65 kVA Proposed; 1 x 500 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 and 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.

Details of Water requirement Proposed:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	7.1	-	7.1
2	Washings	2.0	-	2.0
3	Scrubber	1.0	-	1.0
4	Boiler make up	15.0	10.0	25.0
5	Cooling Towers make up	11.0	4.0	15.0
6	DM/Softner Plant	1.0	-	1.0
7	Domestic	1.0	-	1.0
8	Gardening	2.0	-	2.0
	Total	40.1	14.0	54.1

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Details of Effluent generation, treatment & disposal proposed:

S. No.	Effluent from	generated	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process		8.2	-	8.2	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings		2.0	-	2.0	
3	Scrubber		1.0	-	1.0	
4	Boiler blow down		-	2.5	2.5	
5	Cooling Towers bleed off		-	1.5	1.5	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	DM/Softner Plant		-	1.0	1.0	
7	Domestic		-	0.8	0.8	
Total :			11.2	5.8	17.0	

Details of Solid Waste Proposed:

S.No	Description	Proposed Quantity	Remarks
1	MEE salts with 4 % Moisture	17.9 TPM	Sent to TSDF
2	EIP Sludge	0.2 TPM	
3	Inorganic residue	1.8 TPM	
4	Process organic Residue	5.9 TPM	Authorized Cement Industries for co-processing
5	Distillation residue	2.0 TPM	
6	Spent Carbon	0.7 TPM	
7	Ash from boilers	71.0 TPM	Sold to brick manufacturers
8	Waste /Used Oil	50 LPM	Authorized Recyclers/ Re-processors
9	Mixed spent solvents	2.1 TPM	Authorized Recyclers
10	Used batteries	2 Nos/Annum	Sent to Authorized Recyclers
11	container & container liners of hazardous waste & chemicals	500 Nos/Month	After detoxification, disposed to outside agencies

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

Agenda Item No. 02	M/s. Enal Drugs Private Limited, Unit-III, Sy.No.40/Part & 41/Part, Wangapally (V), Yadagirigutta (M), Yadadri-Bhuvanagiri District - Environmental Clearance - Reg.
Proposal No.	SLA/TG/IND2/161193/2020 (EC)

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

The proponent proposed to establish API-Bulk Drug Intermediates 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 after proposed Project as follows:

Total area is Existing 11.8 Acres. out of which Green area is 5.84 Acres (49 %).

Nearest human habitation is Wangapally (V) @ 1.5 km; Nearest water body is Marrigudem Tank @ 1.93 km; Nearest RF Mala Gutta RF is @ 5.37 km from the industry.

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Project Cost for proposed project is Rs. 45.17 Crores. Budget for Environmental protection towards Capital Cost is Rs. 3.5 crores and Recurring Cost is Rs. 85.0 Lakhs/annum. Budget for CER is Rs.90.0 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	Lansprazole	500.00	15
2	Omeprazole	500.00	15
3	Esomeprazole magnesium	500.00	15
4	Rabeprazole Sodium	500.00	15
5	Risedronate Sodium	600.00	18
6	Clopidohrel Bisulfate	300.00	9
7	Losartan Potassium	300.00	9
8	Betahistine Dihydrochloride	600.00	18
9	Entacapone	300.00	9
10	Zaleplon	300.00	9
11	Dexlansoprazole	250.00	7.5
12	Dextrabeprazole	350.00	10.5
13	2-Hydroxy-3-Nitro Acetophenone	300.00	9
14	4-(4-Methyl piperzino methyl)Benzoic acid Dihydrochloride	300.00	9
15	N-(2-Methyl-5-nitrophenyl)-4-(3-pyridyl)-2-pyrimidine amine	300.00	9
16	2-Chloro Methyl-3-Methyl-4(2,2,2-Trifluoro Ethoxy Pyridine)hydrochloride	300.00	9
17	Pyridine-2-(Chloro methyl)-4-(3-methoxypropoxy)-3- methyl Hydrochloride	374.00	11.22
18	2[(4-Chloro-3-Methyl-2-Pyridinyl-Methyl) Thio]-1H Benzimidazole	400.00	12
19	2-Chloro methyl-3,5-dimethyl-4-methoxy pyridine hydrochloride	225.00	6.75
20	2,5-Bis-(2,2,2-trifluoroethoxy) benzoic acid	300.00	9
21	3-Amino-1H-pyrazole-4-Carbonitrile	130.00	3.9
22	3-Pyridyl acetic acid Hydrochloride	300.00	9
23	2-Butyl-4-Chloro-5-(Hydroxy methyl)-1-[[2-[(triphenyl methyl)tetrazol-5-yl]biphenyl-4-yl]methyl]imidazole	300.00	9
24	6-Methyl-4-phenyl-3,4dihydrocoumarin	300.00	9
25	R & D Products	5.0	0.15
	Total worst case scenario (Any 6 products)	3200.00	96.00

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

S.No.	Utility	Stack Height (mt)	APCF
1	Coal fired Boiler: Proposed: 2 x 5 TPH and 1 x 4 TPH	30 m 30 m	Cyclone Separator
2	Thermic fluid heater 1 x 2 Lakh K.cal/hr	10 m	Adequate Stack
3	DG Sets: Proposed; 3 x 500 kVA	Adequate height	Acoustic enclosure

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The process emissions containing Hydrochloric acid, Sulphur dioxide, Nitrogen dioxide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide and oxygen 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	65.7	-	65.7
2	Washings	3.0	-	3.0
3	Scrubbers	2.0	-	2.0
4	QC, R & D and Pilot plant	2.0	-	2.0
5	Boiler make up	29.0	91.0	120.0
6	Cooling Towers make up	150.0	-	150.0
7	DM/Softner Plant back washes	2.0	-	2.0
8	Domestic	32.0	-	32.0
9	Gardening	6.0	24.0	30.0
	Total	291.7	115.0	406.7

Details of Effluent generation, treatment & disposal proposed:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	77.9	-	77.9	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO
2	Washings	3.0	-	3.0	
3	Scrubbers	2.0	-	2.0	
4	QC, R & D and Pilot plant	2.0	-	2.0	
5	Boiler blow down	-	12.0	12.0	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	Cooling Towers bleed off	-	15.0	15.0	
7	DM/Softner	-	2.0	2.0	
8	Domestic	-	25.0	25.0	
Total :		84.9	54.0	138.9	

Details of Solid Waste Proposed:

S.No	Description	Proposed Quantity	Remarks
1	MEE salts with 4 % Moisture*	205.7 TPM	Sent to TSDF
2	ETP Sludge	50.0 TPM	
3	Inorganic residue	52.1 TPM	
4	Process organic Residue	164.1 TPM	Authorized Cement Industries for co-processing
5	Distillation residue	42.9 TPM	
6	Spent Carbon	21.1 TPM	
7	Off specification /date expired raw materials	5.0 TPM	
8	Ash from boilers	400.0 TPM	Sold to brick manufacturers
9	Waste /Used Oil	500 LPM	Authorized Recyclers/ Re- processors
10	Mixed spent solvents	49.81 TPD	Authorized Recyclers
11	Used batteries	10 Nos/Annum	Sent to Authorized Recyclers

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12	container & container liners of hazardous waste & chemicals	1000 Nos/Month	After detoxification, disposed to outside agencies
13	e-waste	50 kgs/month	Authorized Recyclers/ Re-processors

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

Agenda Item No. 03	M/s. Virchow Chemicals Private Limited, Sy. No.10, IDA Gaddapotharam (V), Jinnaram (M) Sangareddy District - Environmental Clearance (Expansion) - Reg.
Proposal No.	SIA/TG/IND2/161083/2020 (EC)

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

EC obtained on 20.05.2016 from the SELAA for expansion of the existing unit.

CFO issued on 17.1.2017 from TS Pollution Control Board and the unit is operating

Compliance of CFO conditions - Submitted.

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 after proposed Expansion as follows:

Total area is Existing 21.7 Acres and proposed additional 39.0 Acres of lease land and total area after expansion will be 60.7 Acres, out of which Green area is 20.7 Acres (34 %).

Nearest human habitation is Gaddapotharam (V) @ 0.75 km; Nearest water body is Gaddapotharam @ 0.26 km; Nearest RF is Dundigal RF @ 0.5 km from the industry.

Project Cost for proposed expansion is Rs. 105.0 Cr (Phase I- Rs. 5.0 Cr and Phase II-Rs.100.0 Cr). Budget for Environmental protection towards Capital Cost in Phase I- Rs.1.0 Cr and Recurring Cost is Rs. 77.0 Lakhs/annum and in Phase II-Rs.10.0 Cr. and Recurring Cost is Rs. 258 Lakhs/annum. Budget for CER is Rs.100.0 lakhs in phased manner 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
Phase I			
1	Acetyl sulphanilyl chloride	33333.33	1000
2	Di methyl sulphate	30000.00	900
3	Benzene sulfinic acid	6666.67	200
4	Trimethyl chloro silane	6666.67	200
Phase-I Total		76666.67	2300
Phase II			
5	Clopidogrel bi sulphate	333.33	10
6	Dibenzimidazole dihydrate	700.00	21
7	Diclofenac sodium	1666.67	50
8	Diethyl oxalte	7000.00	210
9	Guanidine Nitrate	2800.00	84
10	Ketoconazole	1000.00	30

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S.No	Name of Product	Capacity	
		Kg/day	TPM
11	Metformin Hydrochloride	6666.67	200
12	Olmesartan	1000.00	30
13	Sildenafil citrate	833.33	25
14	Sodium methoxide	5333.33	160
15	Sulfadiazine	1000.00	30
16	Sulfamethoxazole	13333.33	400
	Phase-II Total	41666.67	1250
	Total (Phase-I + Phase-II)	118333.33	3550

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
Phase I				
1	Acetyl sulphanilyl chloride, Benzene sulfinic acid	HCl (30%)	18000.0	540.0
2	Acetyl sulphanilyl chloride, Dimethyl sulphate	Conc. H2SO4	39980.0	1199.4
3	Acetyl sulphanilyl chloride Dimethyl sulphate, Benzene sulfinic acid	Gypsum	12633.3	379.0
4	Acetyl sulphanilyl chloride Benzene sulfinic acid, Trimethyl chloro silane	Dilute Sulphuric acid	265530.0	7965.9
5	Acetyl sulphanilyl chloride	Sulphanilic acid	3666.7	110.0
		Phase-I Total	339810.0	10194.3
Phase II				
6	Sildenafil citrate, Sulfadiazine, Sulfamethazole	Sodium sulphate	21461.7	643.85
		Phase-2 total	21461.7	643.85
	Total Phase I and Phase II		361271.7	10838.15

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 TPH and 1 x 2 TPH Proposed: Phase I- 1 x 10 TPH; Phase II- 1 x 30 TPH	30 m 30 m 30 m 30 m	Mechanical Dust Collector Bag Filter ESP
2	Waste Heat Recovery Boiler: Existing: 1 x 4 TPH	40 m	Adequate Stack
3	Thermic fluid heater Existing: 1 x 4 Lakh K.cal/hr	10 m	Adequate Stack
4	DG Sets: Existing: 2 x 725 kVA ; 1 x 500 kVA and 1 x 320 kVA Proposed: Phase I- 1 x 1010 kVA Phase II- 2 x 1010 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 and 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.

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Details of Water requirement after expansion:

S.No	Stream	After Expansion		
		Phase I	Phase II	Total
1	Process	290 Recycled water-199 Process water for reuse-91*	528 Fresh water-382 Recycled water-143, process water for reuse-3*	818 Fresh water-476 Recycled water-342
2	Scrubber	0	2	2
3	Reactor & Floor Washings	10	25	35
4	Centrifuge washings	25	25	50
5	Cooling Towers	275	500 Fresh water-40 Recycled-460	775 Fresh water-315 Recycled water-460
6	Boiler	30 Fresh water-28 Recycled water- 2	80 Fresh water-25 Recycled water-55	110 Fresh water-53 Recycled water-57
7	DM /Softener back washes	1	2	3
8	Ro plant	110	110	220
9	Domestic	25	25	50
10	Gardening	20 Recycled water	20 Recycled water	40 Recycled water
	Total	786 (Fresh water-565, Recycled water-221KLD)	1317 (Fresh water-639, Recycled water-678 KLD)	2103 (Fresh water-1204, Recycled water-899 KLD)

Note: *Process water recycle

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	660	--	165.6	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Scrubber	2.5	--	2.5	
3	Reactor & Floors washings	--	35	35	
4	Centrifuge washings	--	50	50	
6	Cooling towers	--	35	35	
7	Boiler	--	21	21	
8	DM/Softener back washes	--	6	6	
9	RO Plant	--	220	220	
10	Domestic	--	40	40	
Total effluent Quantity		662.5	407	575.1	

Details of Solid Waste after expansion:

S.No	Description	After expansion Quantity			Remarks
		Phase-I	Phase-II	Total	
1	MEE salts with 4 % Moisture	384.0 TPM	857.6 TPM	1241.6 TPM	Sent to TSDF Dundigal
2	ETP Sludge	1.0 TPM	3.0 TPM	4.0 TPM	
3	Inorganic salts from process	20.0 TPM	71.4 TPM	91.4 TPM	Sent to TSDF Dundigal

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4	Distillation residue	bottom	-	115.0 TPM	115.0 TPM	Sent to Cement plant for co-processing
5	Process Residue	organic	-	879.9 TPM	879.9 TPM	
6	Spent Carbon		4.0 TPM	30.4 TPM	34.4 TPM	Sent to TSDF/ Cement plant for Co-incineration in rotary kilns
7	Sulphur sludge		2.0 TPM	-	2.0 TPM	Sent to TSDF Dundigal
8	Ash from boilers		15.2 TPD	43.7 TPD	58.9 TPD	Sold to brick manufacturers
9	Waste /Used Oil		12 LPD	20 LPD	32 LPD	Authorized Recyclers/ Re-processors
10	De-toxified container & container liners		12 No's/ Mouth	20 No's/ Mouth	32 No's/ Mouth	After detoxification, disposed to outside agencies
11	Waste Bags		960 No's/day	1600 No's/day	2560 No's/day	

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t, permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

1. Sri Mantri
2. Sri Suresh
3. Sri Krishna Reddy

Agenda Item No. 04	M/s. Sridhanada Laboratories Private Limited., Sy. No 296/7/3, IDA Bollaram, Jinnaram Mandal, Sangareddy District (Expansion)- Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/162937/2020 (EC)

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

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It can be noted that the industry is located in IDA, Bollaram, which is a critically polluted area. The proponent informed that they have applied for EC at the SEIAA, as per S.O. 1223(E), dt. 27.03.2020 issued by the MoEF&CC, GoI. But, the SEAC observed from the notification that the applicability of general condition of ELA Notification, 2006 & its subsequent amendment was not mentioned. However, as per O.M. dt.31.10.2019 of the MoEF&CC, GoI on compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018, "category B2 projects shall be considered at State level stipulating Environmental Clearance conditions as applicable for the category 'B1' project / activities". Hence, the SEAC considered the project at the State level.

CFO issued on 26.3.2016 from TS Pollution Control Board and the unit is operating

Compliance of CFO conditions – Submitted.

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 after proposed Expansion as follows:

Total area Existing is 3439.78 Sq.Mtrs and lease area for expansion is 4047 Sq.Mtrs and thus total area is 7848.58 Sq.Mtrs, out of which Green area is 2627.05 Sqmtrs (33 %).

Nearest human habitation is Bollaram (V) @ 0.86 km; Nearest water body is at Mallampet tank @ 1.31 km; Nearest RF is Kazipalli RF @ 2.89 km from the industry.

Project Cost for proposed expansion is Rs. 10.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 300 Lakhs and Recurring Cost is Rs. 62.0 Lakhs/annum. Budget for CER is Rs.10.0 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	Chlorphenesin	833.33	25.0
2	Donepezil HCl	66.67	2.0
3	Guaifenesin	2666.67	80.0
4	Methocarbamol	2000.00	60.0
5	2-Amino-5-Chloropyridine	33.33	1.0
6	3-Amino-4-Methylpyridine	16.67	0.5
7	3-Methyl- α -Methylamino propiophenone Hydrochloride	10.00	0.3
8	R & D Products	1.00	0.0
	Total	5627.67	168.8

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1 x 0.5 TPH Proposed: 1 x 4 TPH	30 m 30 m	Cyclone Separator
2	Thermic fluid heater 1 x 2.5 Lakh K.cal/hr	10 m	Adequate Stack
3	DG Sets: Existing : 1 x 125 kVA Proposed : 2 x 250 kVA	Adequate height	Acoustic enclosure

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The process emissions containing Hydrogen Bromide and Ammonia are to be routed through Multi Stage Scrubber system.

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	14.1	-	14.1
2	Washings	2.0	-	2.0
3	Scrubber	1.0	-	1.0
4	Cooling Towers	10.0	10.0	20.0
5	Boiler	22.0	14.0	36.0
6	DM Plant	1.0	-	1.0
7	Domestic	5.0	-	5.0
8	Gardening	5.0	-	5.0
	Total	60.1	24.0	84.1

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	16.6	-	16.6	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	2.0	-	2.0	
3	Scrubber	1.0	-	1.0	
4	Cooling tower make up	-	2.0	2.0	
5	Boiler make up	-	3.0	3.0	
6	DM plant	-	1.0	1.0	
7	Domestic	-	4.0	4.0	
Total :		19.6	10.0	29.6	

Details of Solid Waste after expansion:

S.No	Description	After expansion Quantity	Remarks
1	MEE salts with 4 % Moisture*	44.4 TPM	Sent to TSDF, Dundigal for secured land fill.
2	EIP Sludge	1.5 TPM	
3	Inorganic residue	0.09 TPM	
4	Distillation bottom residue	7.53 TPM	Sent to Cement plant for Co-processing/AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla/ M/s. TSDF Dundigal for incineration.
5	Process/ organic Residue	27.53 TPM	
6	Spent Carbon	3.35 TPM	
7	Stripper waste	23.48 TPM	
8	Ash from boilers	4.3 TPD	Sold to brick manufacturers
9	Waste /Used Oil	50 LPM	Authorized Recyclers/ Re-processors
10	Spent Mixed solvents	95.0 TPM	End users/Authorized cement manufacturing units for co-processing/ AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla, Pudur (M), Rangareddy (D)
11	Used batteries	10 No.s Per Annum	Sent to Authorized Recyclers.
12	container & container liners of hazardous waste & chemicals	200 No.s/ Month	After detoxification, disposed to outside agencies

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After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development
- xiv) Compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018 as per OM dt.31.10.2019 of the MoEF&CC, GoI.

Members of Sub-Committee:

1. Sri R.S. Mantri
2. Sri Suresh
3. Sri Ch. Krishna Reddy

Agenda Item No. 05	M/s. Nosch Labs private limited, Sy.No.332, 333, 335 & 336, Veliminedu (V), Chityal (M), Nalgonda District (Expansion) - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/162861/2020 (EC)

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

EC obtained on dt. J-11011/507/2006-LA.II(I) dated 14.8.2007 from the MoE&F, GoI for the existing Bulk Drug unit.

CPE Change of product mix issued on 2013

CFO issued on 24.1.2020 from TS Pollution Control Board and the unit is operating

Compliance of CFO conditions – Submitted.

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 (F), 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 15.03 Acres and proposed additional 4.6 Acres and total area after expansion will be 19.63 Acres, out of which Green area is 7.9 Acres Sq.m/Ac/Ha (40 %).

Nearest human habitation is Veliminedu(V) @ 2.32 km; Nearest water body is Yepur tank @ 3.54 km; Nearest RF is Chityal RF @ 6.27 km from the industry.

Project Cost for proposed expansion is Rs. 5.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 200 Lakhs and Recurring Cost is Rs. 60.0 Lakhs/annum. Budget for CER is Rs.5.0 lakhs in first 5 years.

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

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Amiodarone HCl	16.67	0.5
2	Amorolfine Hydrochloride	6.67	0.2
3	Atorvastatin calcium	16.67	0.5
4	Azithromycin	16.67	0.5
5	Betrixiban	6.67	0.2
6	Celecoxib	16.67	0.5
7	Ciprofibrate	100.00	3
8	Clomipramine HCl	6.67	0.2
9	Dapoxetine HCl	16.67	0.5
10	Dexrabeprazole Sodium	33.33	1
11	Donepezil hydrochloride	33.33	1
12	Doxazosin Mesylate	33.33	1
13	Duloxetine Hydrochloride	266.67	8
14	Enalapril maleate	66.67	2
15	Esomeprazole Magnesium Trihydrate	266.67	8
16	Ezetimibe	16.67	0.5
17	Favipiravir	6.67	0.2
18	Fenticonazole Nitrate	3.33	0.1
19	Fesoterodine fumarate	3.33	0.1
20	Glimepiride	16.67	0.5
21	Hydroxychloroquine sulfate	166.67	5
22	Itraconazole	266.67	8
23	Ketorolac Tromethamine	100.00	3
24	Lansaprazole	166.67	5
25	Levosulpride	6.67	0.2
26	Linezolid	50.00	1.5
27	Luliconazole	33.33	1
28	Mebeverine HCl	66.67	2
29	Memantine HCl	16.67	0.5
30	Moxifloxacin Hydrochloride	66.67	2
31	Olanzapine	66.67	2
32	Omeprazole	266.67	8
33	Pantoprazole Sodium Sesquihydrate	266.67	8
34	Phenylramidol HCl	66.67	2
35	Pramipexole Dihydrochloride Monohydrate	6.67	0.2
36	Pregabalin	66.67	2
37	Quetiapine Hemifumarate	266.67	8
38	Rasagiline Mesylate	16.67	0.5
39	Rabeprazole Sodium	100.00	3
40	Rifaximin	3.33	0.1
41	Rizatriptan Benzoate	6.67	0.2
42	Rivaroxaban	16.67	0.5
43	Rosuvastatin Calcium	100.00	3
44	Sertaconazole Nitrate	33.33	1
45	Sertraline HCl	133.33	4
46	Sibutramine HCl	66.67	2
47	Sildenafil	6.67	0.2
48	Sumatriptan succinate	66.67	2
49	Tamsulosine Hydrochloride	33.33	1
50	Terconazole	6.67	0.2

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S.No	Name of Product	Capacity	
		Kg/day	TPM
51	Tolvaptan	3.33	0.1
52	Vonoprazan fumarate	6.67	0.2
53	Vortioxetine HBr	3.33	0.1
54	Zolmitriptan	33.33	1
55	3-Methyl-4-[[[(2,2,2-Trifluoroethoxy)-2-Pyridinyl]Methyl Thio]-1H-Benzimidazole	66.67	2
56	4-[4-[(4-Hydroxyphenyl)-1-Piperazinyl]Phenyl]-2,4-Dihydro-2-(Sec.butyl)-3H-1,2,4-Triazole-3-one	66.67	2
57	Cis-2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-Tiazole-1-yl Methyl)-1,3-Dioxolan-4-yl methyl Methane Sulfonate	100.00	3
58	4-Amino-2-Methyl-10H-Thieno[2,3-B][1,5]Benzodiazepine Hydrochloride	100.00	3
59	3-FLUORO-4-(4-Morpholinyl)Benzenamine (Linezolid Intermediate)	33.33	1
60	1-[(2,3-Dihydro-1,4-benzodioxan-2yl)carbonyl]piperazine (DOXAZOSIN INTERMEDIATE)	33.33	1
61	5-Methoxy-2-[[[(3,5-Dimethyl-4-Methoxy Pyridin-2-yl) methyl]thio]-1H-Benzimidazole (OMEPRAZOLE SULPHIDE)	66.67	2
62	2-[[[(4-(3-Methoxypropoxy)-3-Methyl-2-Pyridinyl]Methyl]Thio]-1H-Benzimidazole (RB sulphide)	66.67	2
63	DIBENZO[b,f][1,4]THIAZEPIN-11(10H)-ONE	166.67	5
64	R(-)-3-Carbonylmethyl-5-methyl hexanoic acid (Pregabalin intermediate)	33.33	1
65	2-(5-Benzoyl-1H-pyrrol-2-yl)-2-ethoxy carbonyl-malonic acid diethyl ester (Ketorolac tromethamine intermediate)	66.67	2
66	3-[(2-Hydroxy)-1-Ethyl]-5-[N-Methyl(Methane sulfonamide)]-1H-Indole-2-Carboxylic Acid Methyl Ester	33.33	1
67	R & D products	16.67	0.5
	Total	4383.33	131.5

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	4-[4-[(4-Hydroxyphenyl)-1-Piperazinyl]Phenyl]-2,4-Dihydro-2-(Sec.butyl)-3H-1,2,4-Triazole-3-one	Hydrobromic acid (50 %)	1996.67	59.9
2	R(-)-3-Carbonylmethyl-5-methyl hexanoic acid (Pregabalin intermediate)	Ammonium sulphate	216.67	6.5

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1 x 3 TPH Proposed: 2 x 5 TPH; 1 x 3 TPH	30 m 30 m	Cyclone Separator/Bag filters
2	Diesel Fired Boiler: Proposed : 1 x 0.85 TPH	10 m	Adequate Stack
3	Thermic fluid heater 1 x 2 Lakh K.cal/hr	10 m	Adequate Stack

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4	DG Sets: Existing: 1 x 125 kVA* ; 1 x 250 kVA and 1 x 550 kVA Proposed; 2 x 1010 kVA	Adequate height	Acoustic enclosure
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*Existing 125 kVA DG Set will be removed.

The process emissions containing Hydrogen Chloride, Hydrogen Bromide, Sulphur dioxide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen gas, and 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.

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	105.4	-	105.4
2	Washings	20.0	-	20.0
3	Scrubber	10.0	-	10.0
4	QC, R&D	2.0	-	2.0
5	Cooling tower make up	21.0	49.0	70.0
6	Boiler make up	20.0	100.0	120.0
7	DM plant	20.0	-	20.0
8	Domestic	25.0	-	25.0
9	Gardening	30.0	-	30.0
	Total	253.4	149.0	402.4

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	115.0	-	115.0	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	20.0	-	20.0	
3	Scrubber	10.0	-	10.0	
4	R&D Lab	2.0	-	2.0	
5	Boiler blow down	-	12.0	12.0	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	Cooling tower bleed of	-	7.0	7.0	
7	DM Plant Rejects	-	2.0	2.0	
8	Domestic	-	20.0	20.0	
Total :		147.0	41.0	188.0	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of disposal
1	MEE salts with 4 % Moisture*	4.9 TPD	Sent to TSDF, Dundigal for secured land fill
2	ETP Sludge	0.1 TPD	
3	Inorganic residue	0.8 TPD	
4	Distillation bottom residue	1.2 TPD	Sent to Cement plant for Co-processing/AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla/ GM Eco services for pre processing and co processing of hazardous waste/ M/s. TSDF Dundigal for incineration.
5	Process/ organic Residue	4.6 TPD	
6	Spent Carbon	0.3 TPD	
7	Stripper waste	2.4 TPD	
8	Ash from boilers	15.2 TPD	Sold to brick manufacturers
9	Waste /Used Oil	100 LPM	Authorized Recyclers/ Re-processors

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S.No	Description	Quantity	Mode of disposal
10	Spent Solvents	400 KL/Month	Recovered within the premises/authorized agency for recovery.
11	Spent Mixed solvents	100 KI/Month	Authorized recovery units/ authorized cement plants for co-processing.
12	Used batteries	10 No.s Per Annum	Sent to Authorized Recyclers
13	Detoxified container & container liners of hazardous waste & chemicals	500 No.s/ Month	After detoxification, disposed to outside agencies
14	Used Polyethene bags, Mineral wool etc.,	4.0 MT/ Month	After detoxification, disposed to outside agencies
15	Used Glass bottles from laboratories	1000 Kgs/ Month	After detoxification, disposed to outside agencies
16	Off specification raw materials, products & Expired materials	500 Kgs/ Month	Sent to TSDF, Dundigal for secured land fill/ Cement industries

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, Gov.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

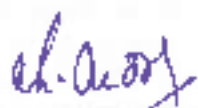
1. Sri Vinod Goud
2. Sri Shiva Kumar
3. Sri Ch. Krishna Reddy

Agenda Item No. 06	M/s. Balaji Formulations private limited, Unit-II is located at Sy. No 208/35, 312/26 AA, Ramlingampally (V), Bommalaramaram (M), Yadadri Disrlet - Environmental Clearance - Reg.
Proposal No.	STA/TG/IND2/163029/2020 (EC)

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

They informed that they proposed few changes after uploading the present proposal. Hence, they are withdrawing the proposal.

Hence, the SEAC decided to return the proposal.


CHAIRMAN, SEAC

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Agenda Item No. 07	M/s. Hy-Gro Chemicals Pharmtek Pvt Ltd., Plot No. 174, Progressive Industrial Society, IDA Bollaram, Jinnaram (M) Sangareddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/166296/2020 (EC)

The representative of the project proponent Sri Ch. Ramesh; and Sri P.V. Raju & Dr. Pallavi of M/s. Pridhvi Envirotech Pvt. Ltd., Hyderabad attended before the SEAC.

EC obtained on dt.: No. J-11011/146/2005-LA.II (I) dated 11.8.2005 from the MoE&F, GoI for the existing unit.

CFE Change of product mix issued on 2018

CFO issued on 23.7.2020 from TS Pollution Control Board and the unit is operating

Compliance of CFO conditions Submitted.

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 after proposed Expansion as follows:

Total area is Existing 4.6 Acres, out of which Green area is 1.51 Acres (33 %).

Nearest human habitation is Bollaram (V) @ 0.87 km; Nearest water body is at Bollaram @ 1.56 km; Nearest RF is Kazipalli RF @ 2.89 km from the industry.

Project Cost for proposed expansion is Rs. 2.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 100 Lakhs and Recurring Cost is Rs. 42.9 Lakhs/annum. Budget for CER is Rs.2.0 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	Pyrethiazine Theoclate	16.67	0.5
2	Dextro methorphan hydrobromide	400.00	12
3	(2S)-2-[2-(2-Theionyl) Phenoxy Methyl] Oxirane	33.33	1
4	4-(2-Amino-2-Methyl Propyl) Phenol Acetate	50.00	1.5
5	Flurbiprofen	266.67	8
6	Phenyl Ephrine HCl.	133.33	4
7	Diacerin	66.67	2
8	S-Flurbiprofen	16.67	0.5
9	Citicoline	33.33	1
10	R & D Products	10.00	0.3
	Total	1026.7	30.8

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	Diacerin	Acetic acid	3880.0	116.4

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1 x 3 TPH Proposed: 1 x 2 TPH	30 m 30 m	Cyclone Separator/Bag filters
2	Thermic fluid heater 1 x 1 Lakh K.cal/hr	10 m	Adequate Stack
3	DG Sets: Existing : 1 x 1010 kVA Proposed : 1 x 1010 kVA	Adequate height	Acoustic enclosure

The process emissions containing Hydrogen Chloride, Sulphur dioxide are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen gas, and 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.

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	20.9	-	20.9
2	Washings	3.0	-	3.0
3	Scrubber	1.0	-	1.0
4	Cooling tower make up	10.0	20.0	30.0
5	Boiler make up	26.0	14.0	40.0
6	DM plant	1.0	-	1.0
7	Domestic	10.0	-	10.0
8	Gardening	5.0	-	5.0
	Total	76.9	34.0	110.9

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	20.9	-	20.9	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & A1FD. LTDS: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	3.0	-	3.0	
3	Scrubber	1.0	-	1.0	
4	Cooling tower make up	-	3.0	3.0	
5	Boiler make up	-	4.0	4.0	
6	DM plant	-	1.0	1.0	
7	Domestic	-	8.0	8.0	
Total :		24.9	16.0	40.9	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Remarks
1	MEE salts with 4 % Moisture*	1924.2 Kgs/day	Sent to TSDF, Dundigal for secured land fill
2	ETP Sludge	200.0 Kgs/day	
3	Inorganic residue	238.6 Kgs/day	
4	Distillation bottom residue	5.4 Kgs/day	Sent to Cement plant for Co-processing/AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla/ M/s. TSDF Dundigal for incineration.
5	Process/ organic Residue	375.3 Kgs/day	
6	Spent Carbon	8.3 Kgs/day	
7	Stripper waste	302.8 Kgs/day	

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S.No	Description	Quantity	Remarks
8	Ash from boilers	4.75 TPD	Sold to brick manufacturers
9	Waste /Used Oil	500 LPA	Authorized Recyclers/ Re-processors
10	Spent Mixed solvents	6.6 TPD	Authorized Recyclers/ Re-processors End users/Authorized cement manufacturing units for co-processing/ AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla, Pudur (M), Rangareddy (D)
11	Spent Solvents	15.1 TPD	Recovered and reused within plant premises
12	Used batteries	10 No.s Per Annum	Sent to Authorized Recyclers
13	container & container liners of hazardous waste & chemicals	500 No.s/ Month	After detoxification, disposed to outside agencies

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

1. Sri Suresh
2. Sri R.S. Mantri
3. Sri Krishna Reddy

Agenda Item No. 08	M/s. Biocon Limited, (formerly known as M/s. Betalact Laboratories Limited). Plot. No.213-215 and 216/B, Phase II, IDA Pashamylaram, Sangareddy District (Expansion) - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/168386/2020 (EC)

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

EC obtained vide order No. J-11011/176/2004-IA.II (I) dated 15.7.2005 and corrigendum No. J-11011/176/2004-IA.II (I) dated 5.8.2005 from the MoE&F, GoI for the existing unit.

CFE issued on 2009. CFO issued on 9.2.2019 and Amendment issued on 11.2.2020 from TS Pollution Control Board and the unit is operating

Compliance of CFO conditions – Submitted.


CHAIRMAN, SEAC

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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 after proposed Expansion as follows:

Total area is Existing 12.46 Acres, out of which Green area is 4.13 Acres (33.1 %).

Nearest human habitation is Pashanylaram(V) @ 1.75 km; Nearest water body is Isnapur pond @ 0.63 km; there are no reserve forests within 10 Km radius from the industry.

Project Cost for proposed expansion is Rs. 144.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 750 lakhs 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	Apixabin	125.0	3.8
2	Atorvastatin	200.0	6.0
3	Brunzalamide	33.3	1.0
4	Colesevelam HCl	5.7	0.2
5	Dibigatran Etxilate Mesylate	14.0	0.4
6	Dapagliflozin	33.3	1.0
7	Deferasirox	66.7	2.0
8	Dexlansoprazole	11.0	0.3
9	Dorzolamide	11.0	0.3
10	Empagliflozine	33.3	1.0
11	Glatiramer Acetate	5.7	0.2
12	Ivabridine Hydro Chloride	11.0	0.3
13	Linagliptin	5.7	0.2
14	Orlistat	200.0	6.0
15	Pentogone Polysulphate	11.0	0.3
16	Pirfenidone	5.7	0.2
17	Posaconazole	5.7	0.2
18	Rivaroxaban	33.3	1.0
19	Rosuvastatin	200.0	6.0
20	Sacubitril	5.7	0.2
21	Sevelamer Carbonate	5.7	0.2
22	Sildenafil	5.7	0.2
23	Sitagliptin	125.0	3.8
24	Varenicline Tartrate	12.33	0.37
25	Tofacitinib Citrate	33.33	1.0
26	R & D products	1.0	0.03
	Total	1200.0	36.0

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1 x 5 TPH Proposed: 1x 5 TPH	30 m 30 m	Cyclone Separator/Bag filters
2	Oil Fired Boiler: Proposed : 1 x 5 TPH	30 m	Adequate Stack
3	DG Sets: Existing: 2 x 380 kVA ; 1 x 1010 kVA Proposed; 3 x 1000 kVA; 1 x 320 kVA	Adequate height	Acoustic enclosure

The process emissions containing Hydrochloric acid, Hydrogen iodide, Sulphur dioxide & Isobutene are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide and 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	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	53.2	-	53.2
2	Scrubber	5.0	-	5.0
3	Washings	15.0	-	15.0
4	R & D, QA and QC	15.0	-	15.0
5	Pilot plant	10.0	-	10.0
6	Cooling Towers	40.0	60.0	100.0
7	Boiler	60.0	60.0	120.0
8	DM Plant	4.0	-	4.0
9	Domestic	30.0	-	30.0
10	Gardening	12.0	-	12.0
	Total	244.2	120.0	364.2

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	55.4	-	55.4	Zero Liquid Discharge System i.e., 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	15.0	-	15.0	
4	R & D, QA and QC	10.0	-	10.0	
5	Pilot plant	10.0	-	10.0	
6	Boiler blow down	-	6.0	6.0	
7	Cooling tower bleed of	-	6.0	6.0	
8	DM Plant Rejects	-	4.0	4.0	
9	Domestic	-	25.0	25.0	
Total :		95.4	41.0	136.4	

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Details of Solid Waste after expansion:

S.No	Description	Quantity	Remarks
1	MEE salts with 4 % Moisture	606.6 Kgs/day	Sent to TSDF, Dundigal for secured land fill
2	EIP Sludge	600.0 Kgs/day	
3	Inorganic residue	502.5 Kgs/day	
4	Distillation bottom residue	854.0 Kgs/day	Sent to Cement plant for Co-processing/AFRF Facilities of CEPIL Infrastructure Pvt. Ltd, Rakancherla/ M/s. TSDF Dundigal.
5	Process organic Residue		
6	Spent Carbon	364.5 Kgs/day	
7	Date expired raw materials/ off specification products	100.0 Kgs/day	
8	Stripper waste	589.3 Kgs/day	
9	Ash from boilers	14.3 TPD	Sold to brick manufacturers
10	Waste /Used Oil	20 TPA	Authorized Recyclers/ Re-processors
11	Spent solvents	4068 TPA	Recovery and reuse within plant premises
12	Spent Mixed solvents	6120 TPA	Disposal to End users
13	Spent resin	20 TPA	TSDF Dundigal for secured landfill or authorized recyclers
14	Used batteries	200 No.s Per Annum	Sent to Authorized Recyclers
15	container & container liners of hazardous waste & chemicals HDPE Drums MS Drums HDPE Carboys	6000 No.s/ yr 6000 No.s/ yr 6000 No.s/ yr 6000 No.s/ yr	After detoxification, disposed to outside agencies
16	LDPE bags	15000 No.s/ yr	After detoxification sent to Authorized Recyclers
17	Insulation waste	15000 Kgs/yr	TSDF Dundigal or Cement Industries
18	Glass bottles and broken glass ware	6000 Nos /year	After detoxification disposed to outside agencies
19	e-waste	3600 Kgs/year	Authorized Recyclers/ Re-processors

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) EIP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (F), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, Gov.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

1. Smt. T. Vijaya Laxmi
2. Sri Ch. Krishna Reddy

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Agenda Item No. 09	M/s. Swara Labs Pvt. Ltd., Sy. No.69 & 70, Patelegudem Village, Alair Mandal, Yadadri Bhuvanagiri District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/166699/2020 (EC)

The representative of the project proponent Sri T. Jagadeesh; 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 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 proposed project as follows:

Total area is 4.50 Acres (18211.30 Sqm). out of which Green area is 7010.00Sqm (38.49 %).

Nearest human habitation is Patelegudem (V) @ 0.87 km; Nearest water body is Water Body near Narsimha Tanda @ 0.86 km; Nearest RF nonewithin 10 km Radius from the industry.

Project Cost for proposed is Rs. 14.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 158 Lakhs and Recurring Cost is Rs. 28 Lakhs/annum. Budget for CER is Rs. 28 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	(2-(N-Tri phenyl methyl tetrazolyl)-4-Bromo methyl biphenyl (TTBB)	10.00	333.33
2	4-Amino-5-ethylsulfonyl-2-methoxy-benzoic acid	5.00	166.67
3	5-(4'-Bromomethyl-biphenyl-2-yl)-2-trityl-2H-tetrazole (Losartan potassium intermediate)	10.00	333.33
4	Amisulpride	5.00	166.67
5	Atorvastatin calcium trihydrate	2.00	66.67
6	Linezolid	3.00	100.00
7	Losartan Potassium	3.00	100.00
8	Minoxidil	5.00	166.67
9	Moxifloxacin hydrochloride	3.00	100.00
10	N,N-Carbonyl diimidazole	10.00	333.33
11	Olmesartan	3.00	100.00
12	Paliperidone	3.00	100.00
13	Pantoprazole sodium	5.00	166.67
14	Pazopanib hydrochloride	2.00	66.67
15	Rivaroxaban	2.00	66.67
16	Rosuvastatin calcium	2.00	66.67
17	Tamsulosin hydrochloride	1.00	33.33
18	Tapentadol hydrochloride	3.00	100.00
19	Telmisartan	3.00	100.00
20	Valsartan	2.00	66.67
21	Voriconazole	2.00	66.67
	Total	10.00	2800.00

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LIST OF BY-PRODUCTS & ITS QUANTITIES

S. No.	Name of the product	Name of the By-Product	Quantity	
			Kg/Day	MT/Month
1	4-Amino-5-ethylsulfanyl-2-methoxy benzoic acid	Potassium sulphate	83.40	2.50
2	Amisulpride	Potassium sulphate	208.60	6.26
3	Linezolid	Imidazole	80.10	2.40
4	Losartan potassium	Succinamide	36.20	1.09
		Trityl alcohol	79.90	2.40
		Sodium bromide	31.6	0.95
5	N,N carbonyl Imidazole	Tributyl amine hydrochloride	1061.60	31.85
6	Pantoprazole sodium	Potassium sulphate	129.50	3.89
		Sodium dihydrogen phosphate	137.10	4.11
		Sodium acetate	56.60	1.70
7	Pazopanib hydrochloride	Ammonium sulphate	45.80	1.37
		Stannic chloride	121.70	3.65
8	Rivaroxaban	Potassium chloride	24.60	0.74
		Tri ethyl amine hydrochloride	39.90	1.20
9	Rosuvastatin calcium	Meta Chloro benzoic acid	117.30	3.52
		Ethanol	11.70	0.35

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 & 1 x 2.0 TPH	30	Cyclone separator followed by suitable pack of Bag filters
		30	
2	Thermal fluid heater 1 x 4 Lakh K.cal/hr	14	Cyclone separator
3	DG Sets: Proposed: 1 x 250 kVA & 1 x 500 kVA	7	Acoustic enclosure & Silencer
		9	

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

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	21.89	0.00	21.89
2	Washings	0.00	3.00	3.00
3	Boiler make up	21.88	8.12	30.00
4	Cooling towers make up	75.19	9.81	85.00
5	Scrubbing system	3.50	0.00	3.50
6	Domestic	0.00	9.00	9.00
7	Gardening	0.00	11.00	11.00
	Total	122.46	40.93	163.39

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Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	22.26	1.74	24.00	Zero Liquid Discharge System i.e., 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	3.00	3.00	
3	Boiler blow down	0.00	5.00	5.00	
4	Cooling tower bleed off	0.00	9.00	9.00	
5	Scrubbing System	3.50	0.00	3.50	
6	Domestic	0.00	7.00	7.00	
Total		25.76	25.74	51.5	

Details of Solid Waste:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	2333 Kg/Day	Shall be sent to Cement Industries
2	Spent Carbon	86 Kg/Day	
3	Solvent Distillation Residue	560 Kg/Day	
4	Inorganic Solid Waste	570 Kg/Day	Shall be sent to TSDF
5	ETP Sludge	75 Kg/Day	
6	MEE Salts	1792 Kg/Day	Shall be sent to Cement Industries
7	Organic distillate from MEE Stripper	650 Kg/Day	
8	Used Oils	150 Ltrs/Annum	Shall be sent to SPCB Authorized Agencies for Reprocessing/Recycling
9	Detoxified Containers	750 No's / Month	After Detoxification will be sent to SPCB Authorized Agencies.
10	Used Lead Acid Batteries	4 No's/ Annum	Send back to suppliers for buyback of New Batteries
Solid waste details			
11	Ash from boilers	5950 Kg/Day	Will be sent to Brick Manufacturers
12	Ash from Thermopack Boiler	1050 Kg/Day	

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

Agenda Item No. 10	M/s. Srinii Pharmaceuticals Private Limited, Sy. No. 247, 248, 253, 308, 309, 309/E, 309/EE, 310/E, 310/EE, 311, 311/E, 312, 313, 313/AA, Choutuppal Village & Mandal, Yadadri Bhuvanagiri District (Expansion) - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/I66923/2020 (EC)

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

EC obtained on dt. 01.07.2004 from the MoE&F, Govt / SEIAA for the existing unit for manufacturing Bulk Drug unit.

Submitted Self Certified Compliance report – EC Conditions – Submitted.

Ch. Rao
CHAIRMAN, SEAC

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CFE issued on 24.12.2003

CFO issued on 29.09.2016 from TSPCB and the unit is operating.

The SEAC noted the G.O.Ms. No. 95, dt. 21.09.2007 of the EPS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EPS&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 after proposed Expansion as follows:

Total area is 226664.43 Sqm, out of which Green area is 92380.52 Sqm (40.75 %).

Nearest human habitation is Choutuppal (V) @ 0.60 km; Nearest water body is BairavaniCheruvu @ 2.56 km; Nearest RF is Choutuppal RF @ 2.21 km from the industry.

Project Cost for proposed expansion is Rs. 30.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 306 Lakhs and Recurring Cost is Rs. 38 Lakhs/annum. Budget for CER is Rs. 30 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	Abacavir	4.80	160.00
2	Adapalene	4.50	150.00
3	Amiloride	4.20	140.00
4	Amlodipine Besylate	12.00	400.00
5	Apixaban	4.50	150.00
6	Apremilast	4.10	136.67
7	Argatroban	4.50	150.00
8	Aripiprazole	12.00	400.00
9	Atorvastatin Calcium Trihydrate	6.30	210.00
10	Avanafil	4.10	136.67
11	BaloxavirMarboxil	3.90	130.00
12	Bazedoxifenc	3.80	126.67
13	Bilastine	4.20	140.00
14	Brinzolamide	4.00	133.33
15	Brivaracetam	3.60	120.00
16	Clonazepam	6.20	206.67
17	Clopidogrel Bisulfate	10.00	333.33
18	Dabigatran Etxilate Mesylate	12.00	400.00
19	Danofloxacin	4.10	136.67
20	Darunavir	3.80	126.67
21	Dasatinib	4.20	140.00
22	Deferasirox	5.90	196.67
23	Defcriprone	12.00	400.00
24	Dexlansoprazole	5.50	183.33
25	Dextromethomorphan Hydrobromide Monohydrate	20.00	666.67
26	Donepezil	4.20	140.00
27	Donepezil Hydrochloride	4.50	150.00
28	Doxazosin Mesylate	7.90	263.33
29	Duloxetine Hydrochloride	4.20	140.00
30	Edoxaban	4.10	136.67
31	Enalapril Maleate	10.50	350.00
32	Esomeprazole Magnesium Trihydrate	7.20	240.00
33	Favipiravir	3.90	130.00

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S.No	Product Name	Quantity	
		MT/Month	Kg/ Day
34	Fluvoxamine Maleate	9.00	300.00
35	Hydroxy Chloroquine Sulfate	12.00	400.00
36	Labetalol Hydrochloride	10.00	333.33
37	Lamivudine	4.50	150.00
38	Lamotrigine	4.40	146.67
39	Lansoprazole	5.50	183.33
40	Levetiracetam	12.00	400.00
41	Levofloxacin Hemihydrate	8.00	266.67
42	Linagliptin	4.80	160.00
43	Loratadine	4.00	133.33
44	Mirabegron	5.00	166.67
45	Mirtazapine	7.50	250.00
46	Montelukast Sodium	4.50	150.00
47	Mycophenolate Mofetil	6.00	200.00
48	Netarsudil	4.60	153.33
49	Nitrofurantoin	5.20	173.33
50	Olanzapine	5.50	183.33
51	Omeprazole	18.00	600.00
52	Omeprazole Magnesium	5.10	170.00
53	Oseltamivir Phosphate	6.60	220.00
54	Palbociclib	4.90	163.33
55	Pantoprazole Sodium Sesquihydrate	10.20	340.00
56	Paracetamol Hydrochloride Hemihydrate	4.10	136.67
57	Peramivir	4.20	140.00
58	Percranpanel	4.20	140.00
59	Perindopril tert-butyl Amine	4.50	150.00
60	Pimavanserin Tartrate	4.20	140.00
61	Pirfenidone	5.50	183.33
62	Posaconazole	4.20	140.00
63	Prasugrel	4.10	136.67
64	Pregabalin	12.00	400.00
65	Rabeprazole Sodium	5.20	173.33
66	Raloxifene Hydrochloride	5.10	170.00
67	Ranipril	5.90	196.67
68	Ranolazine	5.00	166.67
69	Remdesivir	4.20	140.00
70	Repaglinide	4.10	136.67
71	Ribavirin	4.50	150.00
72	Ritonavir	4.90	163.33
73	Rivaroxaban	5.20	173.33
74	Rosuvastatin Calcium	5.50	183.33
75	Sclexipag	4.90	163.33
76	Sofosbuvir	3.90	130.00
77	Sumatriptan Succinate	4.20	140.00
78	Tadalafil	4.80	160.00
79	Tenofovir Disoproxil Fumarate	4.80	160.00
80	Tolvaptan	5.20	173.33
81	Trazadone Hydrochloride	12.30	410.00
82	Urapidil	5.20	173.33
83	Valacyclovir Hydrochloride	25.00	833.33
84	Valganciclovir Hydrochloride	4.10	136.67
85	Vildagliptin	5.20	173.33
86	Voglibose	4.20	140.00
87	Vonoprazan Fumarate	4.35	145.00
88	Voriconazole	4.90	163.33

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S.No	Product Name	Quantity	
		MT/Month	Kg/ Day
89	(S)-(-)-1,2,4-Butanetriol	8.00	266.67
90	(S)-(-)-3-Hydroxytetrahydrofuran	2.00	66.67
Total (Any 37 products will be manufactured at any given point of time)		338.00	11266.67

LIST OF BY-PRODUCTS & ITS QUANTITIES

S.No	Name of the Product	Name of the By-product	Quantity	
			Kg/day	MT/Month
1	Abacavir	Triethylamine hydrochloride	111.70	3.35
		Ethanol	112.20	3.37
2	Apixaban	Morpholine	44.70	1.34
3	Argatroban	Triethylamine hydrochloride	131.80	3.95
4	Aripiprazole	Sodium bromide	155.10	4.65
5	Avanafil	N,N-Dicyclohexyl urea	792.60	23.78
6	Baloxavir carboxyl	Benzyl chloride	41.90	1.26
7	Bilastine	Sodium -p-toluene sulfonate	82.75	2.48
		Potassium P-toluene sulfonate	79.80	2.39
8	Brinzolamide	P-toluene sulphonic acid	71.30	2.14
9	Brivaracetam	1,1,1,3,3,3-Hexamethyldisilazane	111.40	3.34
10	Clopidogrel Bisulphate	TEA Hydrochloride	171.85	5.16
		P-toluene Sulphonic acid	185.00	5.55
11	Darunavir	Tert-Butanol	27.90	0.84
		Triethylamine Hydrochloride	51.75	1.55
12	Dasatinib	Triethylamine hydrochloride	54.775	1.64
13	Donepezil Hydrochloride	Potassium chloride	64.50	1.94
		Methoxy ethanol	110.45	3.31
		Aluminium Hydroxide	56.60	1.70
		Dimethyl sulphide	37.80	1.13
14	Donepezil	Dimethyl sulphide	33.50	1.01
		Tert- Butanol	42.20	1.27
15	Duloxetine Hydrochloride	Oxalic acid	44.90	1.35
16	Edoxaban	Tri ethylamine Hydrochloride	60.10	1.80
17	Favipiravir	Sodium bromide	134.40	4.03
		Potassium chloride	71.85	2.16
18	Labetalol Hydrochloride	Boric acid	381.60	11.45
19	Lamivudine	L-methanol	132.10	3.96
		Boric acid	52.30	1.57
20	Lansoprazole	Sodium acetate	78.20	2.35
		Acetic acid	57.25	1.72
		Potassium nitrate	81.10	2.43
21	Loratadine	Potassium chloride	62.25	1.87
22	Mirabegron	Acetic acid	117.50	3.53
		Ammonium sulphate	128.20	3.85
23	Oseltamivir phosphate	Tert butyl chloride	64.02	1.92
24	Paroxetine Hydrochloride hemihydrates	Potassium chloride	31.30	0.94
		phenol	39.50	1.19
25	Perampanel	Potassium bromide	60.10	1.80
		Fumaric acid	52.20	1.57
26	Prasugrel	Succinamide	76.40	2.29
		Sodium bromide	66.00	1.98
27	Pregabalin	Ammonium chloride	1030.00	30.90
28	Rabeprazole sodium	Sodium acetate	100.50	3.02
		Acetic acid	73.55	2.21

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S.No	Name of the Product	Name of the By-product	Quantity	
			Kg/day	MT/Month
29	Ramipril	Imidazole	95.50	2.87
		Sodium Fumarate	92.25	2.77
		Toluene	53.10	1.59
30	Ritonavir	Sodium acetate	93.85	2.82
		Boric acid	43.90	1.32
		4-Nitro phenol	51.40	1.54
		Sodium phosphate	33.45	1.00
		4-Nitro phenol	51.20	1.54
31	Rivaroxaban	Potassium chloride	63.90	1.92
		Triethylamine hydrochloride	103.10	3.09
32	Rosuvastatin calcium	Metachloro benzoic acid	420.25	12.61
		Ethanol	38.00	1.14
33	Sumatriptan Succinate	Potassium phosphate	377.70	11.33
34	Tolvaptan	Diisopropylethyl amine hydrochloride salt	185.50	5.57
		Diisopropyl ethyl amine oxalate salt	97.60	0.00
35	Trazadone hydrochloride	Sodium bromide	232.70	2.93
36	Valcyclovir hydrochloride monohydrate	Acetic acid	349.15	6.98
37	Voglibose	Toluene	227.30	10.47
38	S(-)-1,2,4 Butane triol	Boric acid	194.30	6.82
39	(S)-(+)-3Hydroxy Tetrahydrofuran	Boric acid	23.80	5.83

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

S. No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boilers: Existing: 1 x 1.0 TPH Existing: 2 x 3.0 TPH Proposed: 1 x 10 TPH	30 30 32	Cyclone separator followed by suitable pack of Bag filters
2	Thermal fluid heater: Existing: 1 x 2 Lakh K.cal/hr Proposed: 1 x 3 Lakh K.cal/hr	11 11	Cyclone separator
3	DG Sets: Existing: 1 x 125 KVA, 1 x 250 KVA & 1 x 500 KVA Proposed: 1 x 500 kVA & 1000 KVA X 3	6.0 7.0 9.0 9.0 11	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 and Propane are to be safely dispersed into the atmosphere by using 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	80.65	0.00	80.65
2	Washings	0.00	12.00	12.00
3	Boilers make up	83.00	0.00	83.00
4	Cooling towers make up	393.00	0.00	393.00
5	Scrubbing system	14.50	0.00	14.50
6	Domestic	5.33	73.67	79.00
7	RO Water input	60.00	0.00	60.00
8	Gardening	0.00	134.50	134.50
	Total	636.48	220.17	856.65

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	83.19	14.09	97.28	HTDS: HTDS effluents sent to MEE system followed by ETP. LTDS: LTDS effluents treated in ETP - RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to ATFD.
2	Washings	0.00	12.00	12.00	
3	Boilers Blow down	0.00	12.50	12.50	
4	Cooling towers Bleed off	0.00	41.50	41.50	
5	Scrubbing system	14.50	0.00	14.50	
6	RO Rejects	20.00	0.00	20.00	
7	Domestic	0.00	74.00	74.00	
Total:		117.69	154.09	271.78	

Details of Solid Waste after expansion:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	10936 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	347 Kg/Day	
3	Solvent Distillation Residue	2425 Kg/Day	
4	Inorganic Solid Waste	3774 Kg/Day	Will be sent to TSDF
5	ETP Sludge	230 Kg/Day	
6	MEE Salts	7704 Kg/Day	Will be sent to Cement Industries
7	Organic distillate from MEE Stripper	2120 Kg/Day	
8	Used Oils	3000 Ltrs/Annum	Will be sent to SPCB Authorized Agencies for Reprocessing/Recycling
9	Detoxified Containers	1500 No's / Month	After Detoxification will be sent to SPCB Authorized Agencies
10	Used Lead Acid Batteries	24 No's/ Annum	Send back to suppliers for buyback of New Batteries
11	Ash from boilers	20125 Kg/Day	Will be sent to Brick Manufacturers

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy

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- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

- 1. Smt. T.Vijaya Laxmi
- 2. Sri Suresh
- 3. Sri Ch. Krishna Reddy

Agenda Item No. 11	M/s. SS Organics Ltd., Sy. No. 252/I, Aroor Village, Sadasivapet Mandal, Sangareddy District - Environmental Clearance - Req.
Proposal No.	SLA/TG/IND2/166904/2020 (EC)

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

EC obtained on dt. 11.08.2005 from the MoE&F, GoI / SEIAA for the existing unit.

Submitted copy of Self certified compliance report

CFE issued on 20.09.2013.

CFO issued on 26.03.2016 from TSPCB and the unit is operating.

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 after proposed Expansion as follows:

Total area is 64749.70 Sqm, out of which Green area is 24762.69 Sqm (38.24 %).

Nearest human habitation is Budhera (V) @ 0.77 km; Nearest water body is Ganga KatwaVagu@ 1.77 km; there is no RF within 10km radius from the industry.

Project Cost for proposed expansion is Rs. 16.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 208 Lakhs and Recurring Cost is Rs. 23 Lakhs/annum. Budget for CER is Rs. 16lakhs in first 5 years.

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

LIST OF PROPOSED PRODUCTS & ITS QUANTITIES

S. No	Product	Quantity	
		MT/Month	Kg/ Day
1	(2-(N-Tri Phenyl Methyl Tetrazolyl)-4-Bromo Methyl Biphenyl (TTBB)	30.00	1000.00
2	1,1-CyclohexaneDi acetic Acid	27.00	900.00
3	Candesartan Cilxetil	4.50	150.00
4	Ciprofloxacin hydrochloride	30.00	1000.00
5	Favipiravir	18.00	600.00
6	Ilaprazole	4.50	150.00

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S. No	Product	Quantity	
		MT/Month	Kg/ Day
7	Imatinib Mesylate	3.00	100.00
8	Pantoprazole Sodium	9.00	300.00
9	Rabeprazole Sodium	3.00	100.00
10	Ritonavir	3.00	100.00
11	Valsartan	6.00	200.00
	Total	138.0	4600.0

LIST OF BY-PRODUCTS & ITS QUANTITIES

S. No	Name of the product	Name of the By-product	Quantity	
			Kg/day	MT/Month
1	1,1-CyclohexaneDi acetic Acid	Ammonium sulphate	1048.40	31.45
2	Candesartan Cilxetil	Sodium bromide	92.70	2.78
		Ethyl alcohol	90.00	2.70
		Triethylamine hydrochloride	55.00	1.65
3	Ciprofloxacin hydrochloride	Sodium acetate	575.70	17.27
		Piperazine hydrochloride	457.00	13.71
		Ammonium acetate	258.70	7.76
4	Pantoprazole Sodium	Potassium Sulphate	470.10	14.10
		Sodium Di hydrogen phosphate	435.10	13.05
		Acetic Acid	119.90	3.60
		Sodium acetate	134.20	4.03
5	Raheprazole Sodium	Sodium acetate	45.80	1.37
		Acetic acid	33.50	1.01
6	Ritonavir	Sodium acetate	57.50	1.73
		Boric acid	44.70	1.34
		4-Nitro phenol	104.70	3.14
		Sodium phosphate	34.10	1.02
7	Valsartan	Potassium chloride	53.90	1.62
		Potassium Bromide	86.00	2.58
8	Favipiravir	Sodium acetate	600.80	18.02
		Potassium Bromide	629.50	18.89

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Proposed: 1 x 5.0 TPH	30	Cyclone separator followed by suitable pack of Bag filters
2	Thermic fluid heater 1 x 4 Lakh K.cal/hr	14	Cyclone separator
3	DG Sets: Existing: 1 x 250 kVA & 1 x 500 kVA Proposed: 1 x 500 kVA	7.0 9.0 9.0	Acoustic enclosure & Silencer

The process emissions containing Sulphur dioxide, Dimethylamine, Hydrogen Chloride, Hydrogen Bromide & 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 is to be safely diffused by using Nitrogen through Flame arrestor and Butane is to be safely dispersed into atmosphere through 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	41.25	0.00	41.25
2	Washings	0.00	5.00	5.00
3	Boiler make up	22.2	6.8	29.00
4	Cooling towers make up	105.97	6.03	112.00
5	Scrubbing system	8.50	0.00	8.50
6	Domestic	0.00	9.00	9.00
7	Gardening	0.00	37.50	37.50
	Total	177.92	64.33	242.25

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	42.10	4.02	46.12	HTDS: HTDS effluents will be sent to MEE system followed by ETP. LTDS: LTDS effluents will be treated in ETP - RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to ATFD.
2	Washings	0.00	5.00	5.00	
3	Boiler Blow down	0.00	4.00	4.00	
4	Cooling towers Bleed off	0.00	12.00	12.00	
5	Scrubbing system	8.50	0.00	8.50	
6	Domestic	0.00	7.00	7.00	
	Total	50.60	32.02	82.62	

Details of Solid Waste after expansion:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste	4956 Kg/Day	Shall be sent to Cement Industries
2	Spent Carbon	52 Kg/Day	
3	Solvent Distillation Residue	802 Kg/Day	
4	Inorganic Solid Waste	2583 Kg/Day	Shall be sent to TSDF
5	ETP Sludge	70 Kg/Day	
6	MEE Salts	2338 Kg/Day	
7	Organic distillate from MEE Stripper	580 Kg/Day	Shall be sent to Cement Industries
8	Used Oils	250 Ltrs/Annum	Shall be sent SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers	1000 No's / Month	After Detoxification will be sent to SPCB Authorized Agencies.
10	Used Lead Acid Batteries	6 No's/ Annum	Send back to suppliers for buyback of New Batteries
11	Ash from boiler	7000 Kg/Day	Will be sent to Brick Manufacturers
12	Ash from Thermo pack Boiler	1050 Kg/Day	

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)

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- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-1.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, Govt.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

- 1. Sri Suresh
- 2. Sri Ch. Krishna Reddy
- 3. Sri Vinod Goud

Agenda Item No. 12	M/s. Vrishabha Laboratories Pvt. Ltd., Sy. No. 7/S2, Dharmojigudem, H/O Lakkaram Village, Choutuppal Maudal, Yadadri Bhuvanagiri District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/166877/2020 (EC)

The representative of the project proponent Sri B.V. Reddy, 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 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 after proposed expansion as follows:

Total area is 4046.89 Sqm, out of which Green area is 1401.86Sqm (34.64%).

Nearest human habitation is Dharmojigudem (V) @ 0.54 km; Nearest water body is Dharmojigudem @ 0.77 km; Nearest RF is ChityalRF @3.16 km from the industry.

Project Cost for proposed expansion is Rs. 13.50 Crores. Budget for Environmental protection towards Capital Cost is Rs. 140 Lakhs and Recurring Cost is Rs. 24 Lakhs/annum. Budget for CER is Rs. 27 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	Quantity in MT/Month	Quantity in Kg/Day
Group-A			
1	Cis-Bromo benzoate	20.00	666.67
Group-B			
1	2,3-Dimethyl-4-Nitro-Pyridine - N-Oxide	4.00	133.33
2	Citalopram Hydrobromide	2.00	66.67
3	Luliconazole	2.00	66.67
4	Solifenacin succinate	2.00	66.67
5	Ticagrelor	2.00	66.67
6	Voriconazole	2.00	66.67
Total (Any one group will be manufactured at any given point of time)		20.00	666.67

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LIST OF BY-PRODUCTS & ITS QUANTITIES

S.No	Name of the product	Name of the By-product	Quantity	
			Kg/day	MT/Month
1	Cis Bromo Benzoate (Ketocinnazole intermediate)	Hydrobromic acid solution (23%)	710.85	21.33
2	Luliconazole	Triethylamine hydrochloride	36.70	1.10
		Potassium bromide	26.70	0.80
3	Solifenacin Succinate	Triethylamine Hydrochloride	34.60	1.04

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

S.No.	Utility	Stack Height (mt)	APCE
1	<u>Coal fired Boiler:</u> Proposed: 1 x 4.0 TPH	30.0	Cyclone separator followed by suitable pack of Bag filters
2	<u>Thermic fluid heater</u> 1 x 2 Lakh K. Cal/hr	11	Cyclone separator
3	<u>DG Sets:</u> Proposed: 1 x 250 KVA	7.0	Acoustic enclosure & Silencer

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

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	2.37	0.00	2.37
2	Washings	0.00	1.00	1.00
3	Boiler make up	19.20	4.30	23.50
4	Cooling towers make up	51.95	4.05	56.0
5	Scrubbing system	1.00	0.00	1.00
6	Domestic	0.00	2.50	2.50
7	Gardening	0.00	2.00	2.00
	Total	74.52	13.85	88.37

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	2.77	0.03	2.80	HTDS: HTDS effluents will be sent to MEE system followed by ETP. LTDS: LTDS effluents will be treated in ETP - RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to ATPD.
2	Washings	0.00	1.00	1.00	
3	Boiler Blow down	0.00	3.50	3.50	
4	Cooling towers Bleed off	0.00	6.00	6.00	
5	Scrubbing system	1.00	0.00	1.00	
6	Domestic	0.00	2.00	2.00	
Total		3.77	12.53	16.3	

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Details of Solid Waste:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste	271 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	7 Kg/Day	
3	Solvent Distillation Residue	55 Kg/Day	
4	Inorganic Solid Waste	7 Kg/Day	Will be sent to TSDF
5	ETP Sludge	10 Kg/Day	
6	MEE Salts	263 Kg/Day	
7	Organic distillate from MEE Stripper	40 Kg/Day	Will be sent to Cement Industries
8	Used Oils	25 Ltrs/Annum	Will be sent SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers	300 No's / Month	After Detoxification will be sent to SPCB Authorized Agencies.
10	Used Lead Acid Batteries	2 No's/ Annum	Send back to suppliers for buyback of New Batteries
Solid waste details			
11	Ash from boiler	5600 Kg/Day	Will be sent to Brick Manufacturers

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

Agenda Item No. 13	M/s. Balaji Amines Limited, Unit - II, Plot Nos: 4 & 5, Beside TSSEB Sub-Station-II, IDA Bollaram, Jinnaram (M), Sangareddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/TND2/166861/2020 (EC)

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

It can be noted that the industry is located in IDA, Bollaram, which is a critically polluted area. The proponent informed that they have applied for EC at the SEIAA, as per S.O. 1223(E), dt. 27.03.2020 issued by the MoEF&CC, GoI. But, the SEAC observed from the notification that the applicability of general condition of EIA Notification, 2006 & its subsequent amendment was not mentioned. However, as per O.M. dt.31.10.2019 of the MoEF&CC, GoI on compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018, "category B2 projects shall be considered at State level stipulating Environmental Clearance conditions as applicable for the category 'B1' project / activities". Hence, the SEAC considered the project at the State level.

CFO issued on 26.12.2003 issued by APPCB for manufacturing of DMA Hcl, MMA Hcl, TMA Hcl, DEA Hcl & TEA Hcl; TEBAC and herbal extracts of certain products.

CFO issued on 15.10.2016 from TSPCB and the unit is operating.

Compliance of CFO conditions – Submitted.

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.

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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 after proposed Expansion as follows:

Total area is 16993.00 Sqm, out of which Green area is 5646.00 Sqm (33.22 %).

Nearest human habitation is Bollaram(V) @ 620 m; Nearest water body is Water body near Bollaram @ 0.36 km; Nearest RF is KazipalliRF @ 3.0 km from the industry.

Project Cost for proposed expansion is Rs. 7.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 194.0 Lakhs and Recurring Cost is Rs. 26.0 Lakhs/annum. Budget for CER is Rs. 14.0 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	16-Alpha hydroxy Prednisolone	0.20	6.67
2	Beclomethasone Dipropionate	0.20	6.67
3	Betamethasone 17-valerate	0.50	16.67
4	Betamethasone Acetate	0.25	8.33
5	Betamethasone dipropionate	0.50	16.67
6	Betamethasone Sodium Phosphate	0.25	8.33
7	Budesonide	0.70	23.33
8	Ciclesonide	1.50	50.00
9	Dimethylamine Hydrochloride	1200.00	40000.00
10	Emtricitabine	0.60	20.00
11	Flumetasone Pivalate	0.525	17.50
12	Fluticasone Furoate	0.50	16.67
13	Lamivudine	0.40	13.33
14	Mometasone Furoate	0.50	16.67
15	Nadolol	0.40	13.33
16	Povidone Iodine	200.00	6666.67
17	PVP-A Copolymer Series	50.00	1666.67
18	VP/DMAEMA Quaternized (PQ-11)	50.00	1666.67
	Total	301.3	50234.17

LIST OF BY- PRODUCTS & ITS QUANTITIES

S. No	Name of the Products	Name of the By-Products	Quantity	
			Kg/Day	MT/Month
1	Emtricitabine	L-Menthol	17.50	0.53
2	Lamivudine	L-Menthol	12.90	0.39
3	Povidone Iodine	Triethylamine salicylate	19.10	0.57
		Calcium hydroxide	4026.20	120.79
4	VP/DMAEMA Quaternized (PQ-11)	Ethanol	166.70	5.00

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler:		Cyclone separator followed by suitable pack of Bag filters
	Existing: 1 x 3.0 TPH	30	
	Proposed: 1 x 3.0 TPH	30	
2	Thermic fluid heater 1 x 10 Lakh K.Cal/hr	18	Cyclone Separator
3	DG Sets:		Acoustic enclosure & Silencer
	Existing: 1 x 380 KVA	8.0	
	Proposed: 1 x 360 KVA	8.0	

The process emissions containing Sulphur dioxide, Hydrogen Chloride & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Oxygen gas is to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely dispersed 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	20.90	0.00	20.90
2	Washings	0.00	4.00	4.00
3	Boilers make up	21.00	15.00	36.00
4	Cooling towers make up	106.79	15.71	122.50
5	DM Plant Regeneration	2.00	0.00	2.00
6	Scrubbing system	1.00	0.00	1.00
7	Domestic	0.00	5.50	5.50
8	Gardening	0.00	8.50	8.50
	Total	151.69	48.71	200.4

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	17.70	11.02	28.72	HTDS: HTDS effluents will be sent to MEE system followed by ETP. LTDS: LTDS effluents will be treated in ETP - RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to ATFD.
2	Washings	0.00	4.00	4.00	
3	Boilers Blow down	0.00	6.00	6.00	
4	Cooling towers Bleed off	0.00	12.50	12.50	
5	DM Plant Regeneration	2.00	0.00	2.00	
6	Scrubbing system	1.00	0.00	1.00	
7	Domestic	0.00	4.50	4.50	
Total		20.70	38.02	58.72	

Details of Solid Waste after expansion:

S. No	Name of the Waste	Quantity	Disposal Method
1	Organic solid waste	901 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	16 Kg/Day	
3	Solvent Distillation Residue	43 Kg/Day	
4	Inorganic Solid Waste	39 Kg/Day	Will be sent to TSDF
5	ETP Sludge	30 Kg/Day	
6	MEE Salts	1208 Kg/Day	

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S. No	Name of the Waste	Quantity	Disposal Method
7	Organic distillate from MEE Stripper	38 Kg/Day	Will be sent to Cement Industries
8	Used Oils	150 Ltrs/Annum	Will be sent to SPCB Authorized Agencies for Reprocessing/Recycling
9	Detoxified Containers/ Container liners	1000 No's / Month	After Detoxification will 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	6825 Kg/Day	Will be sent to Brick Manufacturers
12	Ash from Thermopaek Boiler	2625 Day	

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development
- xiv) Compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in O.A. No. 1038 / 2018 as per OM dt.31.10.2019 of the MoEF&CC, GoI.

Members of the Sub-Committee:

1. Smt. T. Vijaya Laxmi
2. Sri Suresh
3. Sri Ch. Krishna Reddy

Agenda Item No. 14	M/s. Rudra Labs, Sy. No. 134/A1, Terpole Village, Kondapur Mandal, Sangareddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/166839/2020 (EC)

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

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 4046.90 Sqm, out of which Green area is 1478.00 Sqm (36.52 %).

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Nearest human habitation is Edurugudem (V) @ 0.24 km; Nearest water body is Water body near Terpole @ 2.90 km; No RF's within 10 km radius from the industry.

Project Cost for proposed is Rs. 14.90 Crores. Budget for Environmental protection towards Capital Cost is Rs. 140.0 Lakhs and Recurring Cost is Rs. 24.0 Lakhs/annum. Budget for CER is Rs. 29.80 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	Quantity	
		MT/Month	Kg/ Day
1	Clopidogrel Bisulfate	10.00	333.33
2	Domperidone	10.00	333.33
3	Favipiravir	2.00	66.67
4	Gabapentin	10.00	333.33
5	Itraconazole	5.00	166.67
6	Loperamide Hydrochloride	2.00	66.67
7	Losartan Potassium	15.00	500.00
8	Omeprazole	15.00	500.00
9	Pantoprazole sodium	15.00	500.00
Total (Any four products will be manufactured at any given point of time)		55.00	1833.33

LIST OF BY-PRODUCTS & ITS QUANTITIES

S. No	Name of the product	Name of the By-product	Quantity	
			Kg/day	MT/Month
1	Clopidogrel bisulfate	Ammonium sulphate	266.30	7.99
		Mono potassium phosphate	189.00	5.67
		Ammonium tartarate	255.60	7.67
2	Domperidone	Ammonium chloride	117.55	3.53
		Sodium bromide	131.50	3.95
		Ammonium sulphate	274.65	8.24
		Sodium acetate	277.50	8.33
3	Favipiravir	Sodium acetate	73.70	2.21
		Potassium bromide	73.50	2.21
4	Itraconazole	Triethylamine hydrochloride	42.00	1.26
5	Loperamide hydrochloride	Magnesium Bromide	52.90	1.59
6	Losartan potassium	Trityl alcohol	373.10	11.19
		Sodium bromide	147.50	4.43
		Succinamide	163.15	4.89
7	Omeprazole	Ammonium sulphate	1069.80	32.09
		Sodium nitrite	189.20	5.68
		Sodium acetate	224.90	6.75
8	Pantoprazole sodium	Potassium sulphate	693.00	20.79
		Sodium acetate	213.20	6.40

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

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height (mt)	APCE
	Coal fired Boiler: Proposed: 1 x 3.0 TPH	30.0	Cyclone separator followed by suitable pack of Bag filters
2	Thermic fluid heater 1 x 4 Lakh K. Cal/hr	14	Cyclone separator
3	DG Sets: Proposed: 1 x 180 KVA	7.0	Acoustic enclosure & Silencer
	Proposed: 1 x 320 KVA	8.0	

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

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	24.33	0.00	24.33
2	Washings	0.00	2.00	2.00
3	Boiler make up	2.99	15.01	18.00
4	Cooling towers make up	37.10	15.90	53.00
5	Scrubbing system	6.00	0.00	6.00
6	Domestic	0.00	4.50	4.50
7	Gardening	0.00	2.00	2.00
	Total	70.42	39.41	109.83

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	28.13	2.44	30.57	HTDS: HTDS effluents will be sent to MEE system followed by ETP. LTDS: LTDS effluents will be treated in ETP RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to ATFD.
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	6.00	6.00	
5	Scrubbing system	6.00	0.00	6.00	
6	Domestic	0.00	4.00	4.00	
Total		34.13	17.44	51.57	

Details of Solid Waste:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste	3310 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	60 Kg/Day	
3	Solvent Distillation Residue	553 Kg/Day	
4	Inorganic Solid Waste	2551 Kg/Day	Will be sent to TSDF
5	ETP Sludge	90 Kg/Day	
6	MEE Salts	2046 Kg/Day	
7	Organic distillate from MEE Stripper	760 Kg/Day	Will be sent to Cement Industries
8	Used Oils	110 Ltrs/Annum	Will be sent SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers	450 No's / Month	After Detoxification will be sent to SPCB Authorized Agencies.
10	Used Lead Acid Batteries	4 No's/ Annum	Send back to suppliers for buyback of New Batteries
Solid waste details			
11	Ash from boiler	4200 Kg/Day	Will be sent to Brick Manufacturers
12	Ash from Thermo pack Boiler	1050 Kg/day	

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

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Agenda Item No. 15	M/s. Virupaksha Laboratories Pvt. Ltd. (Unit - D), Plot Nos. F-7 & A-35, Sy. No. 356, IDA Kukatpally, Qutubullapur (M), Medchal - Malkajgiri District - Environmental Clearance - Reg.
Proposal No.	SIA/TC/IND2/166736/2020 (EC)

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

CFE issued on 30.01.2003 from APPCB for manufacture of Calcium Gluconate, Sodium Succinate, Capsaicin natural and curcumin.

CFO issued on 01.05.2018 from TSPCB and the unit is operating.

Compliance of CFO Conditions - Submitted.

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 after proposed expansion as follows:

Total area is 5311.69 Sqm, out of which Green area is 2093.12 Sqm (39.41%).

Nearest human habitation is Asbestos Colony (V) @ 220 m; Nearest water body is Kistappa Vagu @ 0.46 km; Nearest RF is Gajularamaram RF @ 4.64 km from the industry.

Project Cost for proposed expansion is Rs. 3.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 116.0 Lakhs and Recurring Cost is Rs. 20.0 Lakhs/annum. Budget for CER is Rs. 3.0 lakhs in first 5 years.

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

LIST OF PROPOSED PRODUCTS AND ITS QUANTITIES

S. No	Name of the Product	Quantity	
		MT/Month	Kg/ Day
1	1-(2-Ethoxy-ethyl)-2-piperidin-4-yl-1H-benzimidazole (Bilastine intermediate)	1.00	33.33
2	2-[4-(2-Bromo-ethyl)-phenyl]-2-methyl-propanoate (Bilastine intermediate).	1.00	33.33
3	Fexofenadine hydrochloride (either Methyl allyl chloride route or Benzyl cyanide route) OR both the routes put together - 2500 + 2500 Kgs)	5.00	166.67
4	Capsaicin Natural	0.015	0.50
5	(2R,3R)-2-(2,4-difluorophenyl)-1-(1H-1,2,4-triazol-1-yl) butane-2,3-diol (Triazole compound Up to Stage-IV)	2.00	66.67
	Total	9.015	300.50

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LIST OF BY-PRODUCTS AND ITS QUANTITIES

S. No	Name of the product	Name of the By-product	Quantity	
			Kg/Day	MT/Month
1	Fexofenadine Hydrochloride (MAC)	Sodium acetate	73.05	2.19
		Manganese dioxide	66.55	2.00
		Potassium chloride	99.25	2.98
	(OR)			
	Fexofenadine Hydrochloride (BCN)	Manganese dioxide	66.55	2.00

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler; Proposed: 1 x 1.0 TPH & 1 x 2.0 TPH	30 30	Cyclone separator followed by suitable pack of Bag filters
2	DG Sets; Existing: 1 x 180 KVA	7.0	Acoustic enclosure & Enclosure

The process emissions containing Sulphur dioxide, Hydrogen Chloride & 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 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	6.28	0.00	6.28
2	Washings	0.00	1.00	1.00
3	Boilers make up	12.70	5.30	18.00
4	Cooling towers make up	22.91	5.09	28.00
5	Scrubbing system	2.00	0.00	2.00
6	Domestic	0.00	2.00	2.00
7	Gardening	0.00	1.00	1.00
	Total	43.89	14.39	58.28

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	6.98	0.64	7.62	The generated effluent will be sent to Proposed Combined ZLD system by Group of Virupaksha Laboratories.
2	Washings	0.00	1.00	1.00	
3	Boilers Blow down	0.00	3.00	3.00	
4	Cooling towers Bleed off	0.00	3.00	3.00	
5	Scrubbing system	2.00	0.00	2.00	
6	Domestic	0.00	1.50	1.50	
	Total	8.98	9.14	18.12	

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Details of Solid Waste after expansion:

S. No	Name of the Details	Quantity	Disposal Method
1	Organic solid waste	646 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	23 Kg/Day	
3	Solvent Distillation Residue	172 Kg/Day	
4	Organic distillate from MEE Stripper	260 Kg/Day	
5	Inorganic Solid Waste	149 Kg/Day	Will be sent to TSDF
6	MEE Salts	979 Kg/day	
7	ETP Sludge	30 Kg/Day	
8	Used Oils	25 Ltrs/Annum	Will be sent to SPCB Authorized Agencies for Reprocessing/Recycling.
10	Detoxified Containers/ Container liners	300 No's / Month	After Detoxification will be sent to SPCB authorized agencies.
11	Used Lead Acid Batteries	2 No's/ Annum	Send back to suppliers for buyback of New Batteries.
12	Ash from boilers	3675 Kg/Day	Will be sent to Brick Manufacturers.

The proponent informed that Virupaksha Laboratories has two units i.e., Unit-I & Unit-II located in the same IDA, Kukatpally. It is also noted that the proposed site of combined ZLD is located at a distance of 74.78 m from Unit-I.

Unit	HTDS (KLD)	LTDS (KLD)	Total Effluent in KLD
Virupaksha Laboratories Pvt. Ltd. Unit-I	8.98	9.14	18.12
Virupaksha Laboratories Pvt. Ltd. Unit-II	9.08	7.26	16.34
Total	18.06	16.40	34.46

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, Gov.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019. as ZLD system is not proposed within premises.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

1. Smt. T. Vijay Laxmi
2. Sri Ch. Krishna Reddy

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Agenda Item No. 16	M/s. Virupaksha Laboratories Pvt. Ltd. (Unit - II), Plot No. F-10, Sy. No.: 374, IDA Kukatpally, Qutubullapur (M), Medchal - Malkajgiri District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/166726/2020 (EC)

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

CFE issued on 07.10.1993 for manufacture of Niacinamide.

CFO issued on 21.12.2018 from TSPCB for manufacture of Bulk Drug Intermediate and the unit is operating.

Compliance of CFO conditions – Submitted.

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 (F), 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 1713.8 Sqm, out of which Green area is 568.65 Sqm (33.18 %).

Nearest human habitation is Asbestos Colony @ 280 m; Nearest water body is KistappaVagu @ 0.36 km; Nearest RF is Gajularamaram RF @ 4.64km from the industry.

Project Cost for proposed expansion is Rs. 2.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 5.0 Lakhs and Recurring Cost is Rs. 2.0 Lakhs/annum. Budget for CER is Rs. 2.0 lakhs in first 5 years.

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

LIST OF PROPOSED PRODUCTS & ITS QUANTITIES

S. No	Name of the Product	Quantity	
		MT/Month	Kg/ Day
1	Fexofenadine hydrochloride ((either Methyl allyl chloride route or Benzyl cyanide route) OR both theroutes put together - 3000 + 3000 Kgs)	6.00	200.00
2	1-(2-Ethoxy-Ethyl)-2-Piperidin-4-yl-1h-Benzoimidazole (Bilastine Intermediate)	2.00	66.67
3	2-[4-(2-Bromo-Ethyl)-Phenyl]-2-Methyl-Propionic acid Methyl Ester (Bilastine Intermediate)	2.00	66.67
	Total	10.00	333.33

LIST OF BY - PRODUCTS & ITS QUANTITIES

S. No	Name of the product	Name of the By-product	Quantity	
			Kg/day	MT/Month
1	Fexofenadine Hydrochloride (MAC)	Sodium acetate	87.65	2.63
		Manganese dioxide	79.85	2.40
		Potassium chloride	119.10	3.57
	(OR)			
	Fexofenadine Hydrochloride (BCN)	Manganese dioxide	79.85	2.40

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1 x 1.0 TPH	30.0	Cyclone separator followed by suitable pack of Bag filters
2	DG Sets: Existing: 1 x 125 kVA & 1 x 250 kVA	6.0 7.0	Acoustic enclosure & Silencer

The process emissions containing Sulphur dioxide, Hydrogen Chloride & 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 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	6.37	0.00	6.37
2	Washings	0.00	1.00	1.00
3	Boiler make up	2.00	4.00	6.00
4	Cooling towers make up	23.22	4.78	28.00
5	Scrubbing system	2.00	0.00	2.00
6	Domestic	0.00	2.00	2.00
7	Gardening	0.00	1.00	1.00
	Total	33.59	12.78	46.37

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	ITDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	7.08	0.76	7.84	Will be sent to Proposed Combined ZLD System by Group of Virupaksha Laboratories
2	Washings	0.00	1.00	1.00	
3	Boiler Blow down	0.00	1.00	1.00	
4	Cooling towers Bleed off	0.00	3.00	3.00	
5	Scrubbing system	2.00	0.00	2.00	
6	Domestic	0.00	1.50	1.50	
Total		9.08	7.26	16.34	

Details of Solid Waste after expansion:

S. No	Name of the Waste	Quantity	Disposal Method
1	Organic solid waste	612 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	23 Kg/Day	
3	Solvent Distillation Residue	171 Kg/Day	
4	Organic distillate from MEE Stripper	280 Kg/Day	Will be sent to TSDP
5	Inorganic Solid Waste	180 Kg/Day	
6	MEE Salts	1010 Kg/day	
7	EIP Sludge	20 Kg/Day	
8	Used Oils	50 Ltrs./Annum	Will be sent to SPCB Authorized Agencies for Reprocessing/ Recycling.
10	Detoxified Containers/ Container liners	300 No's/ Month	After Detoxification will be sent to SPCB authorized agencies.
11	Used Lead Acid Batteries	4 No's/ Annum	Send back to suppliers for buyback of New Batteries.
12	Ash from boiler	1400 Kg/Day	Will be sent to Brick Manufacturers.

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After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

1. Smt. T. Vijya Laxmi
2. Sri Ch. Krishna Reddy

Agenda Item No. 17	M/s. Sri Sai Uma Laboratories Pvt. Ltd., Sy. No. 246/A1/I/2 & 246 Part, Nawabpet Village, Shivampet Mandal, Medak District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/166848/2020 (EC)

The representative of the project proponent Sri P.N. Reddy, 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 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 proposed project as follows:

Total area is 6553.64 Sqm, out of which Green area is 2285.47 Sqm (34.87%).

Nearest human habitation is Nawabpet (V) @ 1.66 km; Nearest water body is Water body near Nawabpet @ 1.4km; Nearest RF is Nawabpet RF @ 1.13 km from the industry.

Project Cost for proposed is **Rs. 7.0 Crores**. Budget for Environmental protection towards Capital Cost is Rs. 75.0 Lakhs and Recurring Cost is Rs. 17.0 Lakhs/annum. Budget for CER is Rs. 14.0 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	Quantity	
		MT/Month	Kg/ Day
1	4-[4-(Dimethylamino)-1-(4-fluorophenyl)-1-hydroxybutyl]-3-(hydroxymethyl)benzonitrile	5.00	166.67
2	Cis Bromo Benzoate	8.00	266.67
3	Citalopram hydrobromide	2.00	66.67
4	N,N-Dimethylamino Propyl chloride hydrochloride	30.00	1000.00
Total (Any two products will be manufactured at any given point of time)		38.00	1266.67

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LIST OF PROPOSED BY-PRODUCTS & ITS QUANTITIES

S.No	Name of the product	Name of the By-product	Quantity	
			Kg/day	MT/Month
1	Cis Bromo Benzoate	Hydrobromic acid solution (23%)	283.85	8.52
2	N,N-Dimethylamino Propyl chloride hydrochloride	Sodium Bromide	756.80	22.70

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height (m)	APCE
1	Coal fired Boiler: Proposed: 1 x 1.0 TPH	30.0	Cyclone separator followed by suitable pack of Bag filters
2	DG Set: Proposed: 1 x 150 KVA	7.0	Acoustic enclosure

The process emissions containing Hydrogen Chloride & Ammonia are to be routed through Multi Stage Scrubber system.

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	3.57	0.00	3.57
2	Washings	0.00	1.50	1.50
3	Boiler make up	4.80	1.20	6.00
4	Cooling towers make up	25.91	2.09	28.00
5	Scrubbing system	1.00	0.00	1.00
6	Domestic	0.00	1.00	1.00
7	Gardening	0.00	3.50	3.50
	Total	35.28	9.29	44.57

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	4.28	0.00	4.28	HTDS: HTDS effluents will be sent to MEE system followed by ETP. LTDS: LTDS effluents will be treated in ETP - RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to ATFD.
2	Washings	0.00	1.50	1.50	
3	Boiler Blow down	0.00	1.00	1.00	
4	Cooling towers Bleed off	0.00	3.00	3.00	
5	Scrubbing system	1.00	0.00	1.00	
6	Domestic	0.00	0.75	0.75	
Total		5.28	6.25	11.53	

Details of Solid Waste:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste	392 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	4 Kg/Day	
3	Solvent Distillation Residue	92 Kg/Day	
4	Inorganic Solid Waste	132 Kg/Day	Will be sent to TSDF
5	ETP Sludge	15 Kg/Day	
6	MEE Salts	252 Kg/Day	
7	Organic distillate from MEE Stripper	90 Kg/Day	Will be sent to Cement Industries
8	Used Oils	30 Ltrs/Annum	Will be sent SPCB Authorized Agencies for Reprocessing/ Recycling

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9	Detoxified Containers	450 No's / Month	After Detoxification 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	1400 Kg/Day	Will be sent to Brick Manufacturers

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

Agenda Item No. 18	M/s. Symed Labs Limited, Unit-II, Sy. Nos. 25/A, 25/B & 29, Phase - III, IDA Jeedimetla, Qutubullapur Mandal, Medchal - Malkajgiri District (Expansion) - Environmental Clearance - Reg.
Proposal No.	STA/TG/IND2/168593/2020 (EC)

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

CPE issued on 28.12.2012 of APPCB.

CFO issued on 15.03.2016 from TSPCB for manufacturing Bulk Drug Intermediate and the unit is operating.

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 after proposed Expansion as follows:

Total area is 10457.37 Sqm, out of which Green area is 4112.76Sqm (39.33 %).

Nearest human habitation is Apurupa Colony @ 0.27 km; Nearest water body is Water body near Suraram @ 1.8 km; Nearest RF is Dullapalle RF @ 0.75 km from the industry.

Project Cost for proposed expansion is Rs. 2.0Crores. Budget for Environmental protection towards Capital Cost is Rs. 125.0 Lakhs and Recurring Cost is Rs. 23.0 Lakhs/annum. Budget for CER is Rs. 2.0 lakhs in first 5 years.

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

LIST OF PROPOSED PRODUCTS & ITS QUANTITIES

S. No	Name of the Product	Quantity	
		MT/Month	Kg/Day
1	Agomelatine	0.05	1.67
2	Amisulpride	2.00	66.67
3	Aserapine Malcate	0.03	1.00
4	Brimonidine tartrate	0.015	0.50
5	Carvedilol	1.00	33.33
6	Cinitapride Hydrogen Tartrate	0.04	1.33
7	Dapoxetine Hydrochloride	0.75	25.00
8	Dronedarone hydrochloride	0.50	16.67
9	Epalrestat	0.05	1.67
10	Eszopiclone	0.05	1.67
36	Flibanserin	0.10	3.33
11	Fluconazole	0.20	6.67
12	Flufenamic acid	0.025	0.83
13	Hydroxyzine hydrochloride	3.00	100.00

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S. No	Name of the Product	Quantity	
		MT/Month	Kg/Day
14	Iloperidone	0.01	0.33
15	iron Sorbitol	0.30	10.00
16	Iron Sucrose	4.00	133.33
17	Itopride hydrochloride	1.50	50.00
18	Ketorolac Tromethamine	2.00	66.67
19	Lanthanum carbonate	1.00	33.33
20	Levocetirizine Dihydrochloride	1.20	40.00
21	Levosulpride	0.42	14.00
22	Linezolid	2.50	83.33
23	Meclizine hydrochloride	0.50	16.67
24	Meprobamate	0.30	10.00
25	Mosapride citrate Dihydrate	1.00	33.33
26	Ondansetron Hydrochloride	0.40	13.33
27	Pheneteremine Hydrochloride	0.10	3.33
28	Pregabalin	4.00	133.33
29	Raccadotril	2.00	66.67
30	Sibutramine hydrochloride tartrate	0.05	1.67
31	Tapentadol Hydrochloride	0.50	16.67
32	Thalidomide	0.20	6.67
33	Tizanidine hydrochloride	0.10	3.33
34	Topiramate	0.10	3.33
35	Zotepine	0.01	0.33
	Total	30.00	1000.00

LIST OF BY-PRODUCT WITH QUANTITY

S. No	Name of the product	Name of the By-product	Quantity in Kg/day	Quantity in MT/Month
1	Linezolid	Imidazole	64.70	1.94

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1 x 3.0 TPH Proposed: 1 x 3.0 TPH	30.0 30.0	Cyclone separator followed by suitable pack of Bag filters
2	DG Sets: Existing: 1 x 500 KVA Proposed: 1 x 500 KVA	9.0 9.0	Acoustic enclosure & silencer

The process emissions containing Sulphur dioxide, Hydrogen Chloride & 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 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	18.37	0.00	18.37
2	Washings	0.00	2.00	2.00
3	Boilers make up	25.70	10.30	36.00
4	Cooling towers make up	100.18	10.02	110.20
5	Scrubbing system	1.00	0.00	1.00
6	Domestic	0.00	9.00	9.00
7	Gardening	0.00	6.00	6.00
	Total	145.25	37.32	182.57

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Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	19.30	0.00	19.30	HTDS: HTDS effluents will be sent to MEE system followed by ETP. LTDS: LTDS effluents will be treated in ETP - RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to ATFD.
2	Washings	0.00	2.00	2.00	
3	Boilers Blow down	0.00	6.00	6.00	
4	Cooling towers Bleed off	0.00	10.70	10.70	
5	Scrubbing system	1.00	0.00	1.00	
6	Domestic	0.00	7.00	7.00	
Total		20.30	25.70	46.00	

Details of Solid Waste after expansion:

S. No	Name of the Details	Quantity in Kg/Day	Disposal Method
1	Organic solid waste (Process residue)	966	Will be sent to Cement Industries
2	Spent Carbon	362	
3	Solvent Distillation Residue	266	
4	Organic distillate from MEE Stripper	190	
5	Spent Mixed solvents	437 Ltrs/ Day	
6	Inorganic Solid Waste	84	Will be sent to TSDF
7	MEE Salts	835	
8	ETP Sludge	300	
9	Used Oils	100 Ltrs/ Annum	Will be sent to SPCB Authorized Agencies for Reprocessing/ Recycling.
10	Detoxified Containers/ Container liners	600 No's/ Month	After Detoxification will be sent to SPCB authorized agencies.
11	Used Lead Acid Batteries	4 No's/ Annum	Send back to suppliers for buyback of New Batteries.
12	Ash from boilers	6825	Will be sent to Brick Manufacturers.

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

1. Smt. Vijaya Laxmi
2. Sri Ch. Krishna Reddy

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Agenda Item No. 19	M/s. AR Pharmachen, Sy. No. 166/A, 166/B, Chippalapally Village, Narketpally Mandal, Nalgonda District - Environmental Clearance - Reg.
Proposal No.	SLA/TG/IND2/168789/2020 (EC)

The representative of the project proponent Sri Y. Sravan Kumar, 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 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 proposed project as follows:

Total area is 14932.90 Sqm, out of which Green area is 5969.58 Sqm (39.98 %).

Nearest human habitation is Chippalapally (V) @ 1.14 km; Nearest water body is AkkenapalliCheruvu @ 1.70 km; No RF within 10km radius from the industry.

Project Cost for proposed is **Rs. 7.10 Crores**. Budget for Environmental protection towards Capital Cost is Rs. 160.0 Lakhs and Recurring Cost is Rs. 28.0 Lakhs/annum. Budget for CER is Rs. 14.20 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	3-Nitrophthalic Acid	2.00	66.67
2	5-Bromo Phthalide	2.00	66.67
3	5-Cyanophthalide	3.00	100.00
4	Abacavir	2.00	66.67
5	Aceclofenac	2.00	66.67
6	Amlodipine Besylate	2.00	66.67
7	Aripiprazole	2.00	66.67
8	Capecitabine	1.00	33.33
9	Ciprofloxacin Hydrochloride	2.00	66.67
10	Cis Bromo Benzoste	2.00	66.67
11	Closantel Sodium	2.00	66.67
12	Dapoxetine Hydrochloride	2.00	66.67
13	Diclofenac Sodium	2.00	66.67
14	Enrofloxacin	2.00	66.67
15	Etoricoxib	2.00	66.67
16	Fenbendazole	2.00	66.67
17	Fexofenadine Hydrochloric Acid	3.00	100.00
18	Fluconazole	2.00	66.67
19	Imatinib Mesylate	1.00	33.33
20	Lamivudine	5.00	166.67
21	Lopinavir	2.00	66.67
22	Losartan Potassium	2.00	66.67
23	Mefenamic Acid	5.00	166.67
24	Montelukast Sodium	2.00	66.67
25	Olmesartan Medoxomil	2.00	66.67
26	Omeprazole	2.00	66.67
27	O-Tolyl Benzonitrile	2.00	66.67
28	Pantoprazole Sodium	3.00	100.00

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S.No.	Product Name	Quantity	
		MT/Month	Kg/Day
29	Sertraline Hydrochloride	3.00	100.00
30	Sildenafil Citrate	2.00	66.67
31	Triclabendazole	2.00	66.67
32	Trityl Chloride	5.00	166.67
33	Valsartan	2.00	66.67
34	Zidovudine	2.00	66.67
35	2-Chloro-1,3-bis(dimethylamino)trimethinium hexafluorophosphate	2.00	66.67
36	2-Ethoxy benzoic acid	2.00	66.67
37	2-Phenyl-1h-Benzimidazole-5-Sulfonic Acid (PBSA)	3.00	100.00
38	Methyl salicylate	2.00	66.67
39	Para Amino salicylic acid	2.00	66.67
40	R & D Products	0.30	10.00
	Total	53.30	3010.00

LIST OF BY-PRODUCTS& ITS QUANTITIES

S.No	Name of the product	Name of the By-product	Quantity	
			Kg/day	MT/Month
1	5-Bromophthalide	Succinamide	36.00	1.08
2	Abacavir	Phosphoric acid	33.50	1.01
		Disodium tartarate	60.00	1.80
3	Ciprofloxacin Hydrochloride	Sodium acetate	58.40	1.75
		Piperazine Hydrochloride	35.10	1.05
4	Dapoxetine Hydrochloride	Potassium Bromide	46.50	1.40
		Succinamide	33.70	1.01
		Tartaric acid	33.60	1.01
5	Etoricoxib	Aluminium hydroxide solution (33%)	76.10	2.28
6	Fluconazole	Aluminium Hydroxide solution (33%)	103.60	3.11
		Ammonium nitrate	26.51	0.80
7	Lamivudine	L-Menthol	146.80	4.40
		Boric acid	58.10	1.74
8	Losartan Potassium	Succinimide	24.10	0.72
		Trityl alcohol	53.20	1.60
		Sodium bromide	21.10	0.63
9	Mefenamic acid	Potassium chloride	69.80	2.09
10	Olmesartan Medoxomil	Ammonium chloride	21.40	0.64
11	Omeprazole	Ammonium sulphate	136.30	4.09
		Sodium nitrite	24.10	0.72
		sodium acetate	28.70	0.86
12	Pantoprazole Sodium	Potassium Sulphate	77.80	2.33
		Sodium Di hydrogen phosphate	82.80	2.48
		Sodium acetate	34.00	1.02
13	Sildenafil Citrate	Ammonium sulfate	40.70	1.22
		Ammonium chloride	33.00	0.99
		Iron oxide	42.40	1.27
14	Zidovudine	Triethylamine Hydrochloride	143.40	4.30
		Benzene sulfonic acid	46.50	1.40

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Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Proposed: 1 x 1.0 TPH & 1 x 3.0 TPH	30.0 30.0	Cyclone separator followed by suitable pack of Bag filters
2	Thermic fluid heater 1 x 1.0 Lakh K.cal/hr	11.0	Cyclone separator
3	DG Sets: Proposed: 1 x 125 KVA & 1 x 380 KVA	7.0 8.0	Acoustic enclosure & Silencer

The process emissions containing Sulphur dioxide, Hydrogen iodide, Hydrogen Chloride, Hydrogen Bromide, Dimethylamine & 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 are to be safely dispersed Diffused by using Nitrogen through Flame arrestor

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	25.33	0.00	25.33
2	Washings	0.00	3.00	3.00
3	Boiler make up	12.00	12.00	24.00
4	Cooling towers make up	26.81	15.69	42.50
5	Scrubbing system	4.50	0.00	4.50
6	Domestic	0.00	4.50	4.50
7	Gardening	0.00	2.50	2.50
	Total	68.64	37.69	106.33

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	27.47	1.18	28.65	HTDS: HTDS effluents will be sent to MEE system followed by ETP. LTDS: LTDS effluents will be treated in ETP - RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to A/PD.
2	Washings	0.00	3.00	3.00	
3	Boiler Blow down	0.00	4.00	4.00	
4	Cooling towers Bleed off	0.00	5.00	5.00	
5	Scrubbing system	4.50	0.00	4.50	
6	Domestic	0.00	4.00	4.00	
Total		31.97	17.18	49.15	

Details of Solid Waste:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste	3049 Kg/Day	Will be sent to Cement Industries/TSDF
2	Spent Carbon	123 Kg/Day	
3	Solvent Distillation Residue	608 Kg/Day	
4	Organic distillate from MEE stripper	680 Kg/Day	
6	Inorganic Solid Waste	993 Kg/Day	Will be sent to TSDF
7	MEE Salts	2102 Kg/Day	
8	ETP Sludge	70 Kg/Day	
9	Used Oils	110 Ltrs/Annum	Will be sent to SPCB Authorized Agencies for Reprocessing/Recycling

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S. No	Name of the Hazardous Waste	Quantity	Disposal Method
10	Detoxified Containers/ Container liners	750 No's/ Month	After Detoxification will be sent to SPCB authorized agencies
11	Used Lead Acid Batteries	4 No's/ Annum	Send back to suppliers for buyback of New Batteries
12	Ash from boiler	5075 Kg/Day	Will be sent to Brick Manufacturers
13	Ash from thermo pack boiler	263.00 Kg/Day	

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

Agenda Item No. 20	M/s. Virupaksha Laboratories Pvt. Ltd. (Unit-III), Sy. Nos. Parts of 363, 364, 365, 366, 367, 368, 371, 372, 375, 376, 378, 379, 380, 381, 382, 384, 385, 388, 389, 390, 391, 392, 393, 395, 396, 397, 398, 400, 413, 414, 415, 416, 417, 420, 421, 476, Baswapur Village, Bhiknur Mandal, Kamareddy District - Environmental Clearance - Reg.
Proposal No.	SLA/TG/IND2/169065/2020 (EC)

The representative of the project proponent Sri I. Ravinder Reddy, 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 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 proposed project as follows:

Total area is 145808.24 Sqm, out of which Green area is 53745.60 Sqm (36.86 %).

Nearest human habitation is Baswapur (V) @ 1.30 km; Nearest water body is Water body near Mallupalli @ 0.79km; Nearest RF is Baswarapuram RF @ 3.04 km from the industry.

Project Cost for proposed is Rs. 45.00 Crores. Budget for Environmental protection towards Capital Cost is Rs. 395.0 Lakhs and Recurring Cost is Rs. 54.0 Lakhs/annum. Budget for CER is Rs. 90.0 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	(2'R)-2'-deoxy-2'-fluoro-2' methyluridine (Sofosbuvir Intermediate)	3.00	100
2	(2R,3R)-3-(2,4-difluorophenyl)-3-hydroxy-2-methyl-4-(1H-1,2,4-triazol-1-yl) butanethionamide sulphate (TZL-II)	12.00	400
3	(2R,3S)-2-(2,4-difluorophenyl)-3-methyl-[(1H-1,2,4-triazol-1-yl)methyl]oxirane (EFC-III)	3.00	100
4	2-(4-(4-chlorobutanoyl) phenyl)-2-methyl propyl acetate (Fexofenadine intermediate from MAC)	15.00	500
5	2-(4-(4-chlorobutanoyl) phenyl)-2-methyl propyl acetate (Fexofenadine intermediate from BCN)	15.00	500
6	2-butyl-4-chloro-5-formyl imidazole (Losartan Potassium Intermediate)	15.00	500
7	6-bromo-3-hydroxypyrazine-2-carboxamide (Favipiravir intermediate)	30.00	1000

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8	Bilastine	15.00	500
9	Chlorothalidone	6.00	200
10	Crisaborole	3.00	100
11	Favipiravir	15.00	500
12	Fexofenadine hydrochloride (BCN)	9.00	300
13	Fluconazole	15.00	500
14	Hydroxy Chloroquine Sulfate	15.00	500
15	Isavuconazole	3.00	100
16	Methyl-2-(2-(2-chloroacetamide)-4,5,6,7-tetrahydro-6-methylthieno[2,3-c]pyridine-3-carboxamide)thiophene-3-carboxylate(STH).	6.00	200
17	Ranolazine	24.00	800
18	Sofosbuvir	3.00	100
19	Tavaborole	6.00	200
	Total	213.00	7100

LIST OF BY-PRODUCTS & ITS QUANTITIES

S.No	Name of the product	Name of the By-product	Quantity	
			Kg/day	MT/Month
1	2-(4,(4-chlorobutanoyl) phenyl)-2-methyl propyl acetate (Fexofenadine intermediate)	Aluminium chloride solution (25%)	1000.00	30.00
2	2-[4-(4-chloro-butyl)-phenyl]-2-methyl-propyl Acetate (Fexofenadine hydrochloride intermediate from BCN)	Aluminium chloride solution (25%)	1024.00	30.72
3	6-bromo-3-hydroxypyrazine-2-carboxamide (Favipiravir intermediate)	Sodium acetate	534.00	16.02
4	Favipiravir	Sodium acetate	221.20	6.64
		Potassium Bromide	220.60	6.62
5	Chlorothalidone	Zinc acetate	176.60	5.30

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler; Proposed: 2 x 2.0 TPH, 2 x 3.0 TPH & 2 x 5.0 TPH	30.0	Cyclone separator followed by suitable pack of Bag filters
		30.0	
		30.0	
2	Thermic fluid heater 1 x 4 Lakh K.cal/hr	11.0	Cyclone separator
3	DG Sets; Proposed: 2 x 500 KVA & 1 x 1000 KVA	9.0	Acoustic enclosure & Silencer
		11.0	

The process emissions containing Hydrogen iodide, Hydrogen Chloride, Hydrogen Bromide & Dimethylamine 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 by using Nitrogen through Flame arrestor.

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Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	49.03	0.00	49.03
2	Washings	0.00	7.00	7.00
3	Boilers make up	118.00	0.00	118.00
4	Cooling towers make up	160.00	0.00	160.00
5	Scrubbing system	9.00	0.00	9.00
6	Domestic	10.75	11.75	22.50
7	Gardening	0.00	80.00	80.00
	Total	346.78	98.75	445.53

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	50.60	1.29	51.89	HTDS: HTDS effluents will be sent to MEE system followed by BTP. LTDS: LTDS effluents will be treated in BTP - RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to ATFD.
2	Washings	0.00	7.00	7.00	
3	Boilers Blow down	0.00	18.00	18.00	
4	Cooling towers Bleed off	0.00	17.00	17.00	
5	Scrubbing system	10.00	0.00	10.00	
6	Domestic	0.00	20.00	20.00	
Total		60.6	63.29	123.89	

Details of Solid Waste:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste(Process Residue)	4558 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	107 Kg/Day	
3	Solvent Distillation Residue	927 Kg/Day	
4	Organic Distillate from MEE Stripper	1490 Kg/Day	
5	Inorganic Solid Waste	136 Kg/Day	Will be sent to TSDF
6	MEE Salts	5463 Kg/Day	
7	ETP Sludge	160 Kg/Day	
8	Used Oils	400 Ltrs/Annum	Will be sent to SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers/ Container liners	900 No's / Month	After Detoxification will be sent to SPCB authorized agencies.
10	Used Lead Acid Batteries	6 No's/ Annum	Send back to suppliers for buyback of New Batteries
11	Ash from boilers	18375 Kg/Day	Will be sent to Brick Manufacturers
12	Ash from thermo pack boiler	1050 Kg/Day	

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

Agenda Item No. 21	M/s. SB Organics Ltd., Sy. No. 350, 351, and 352, Chandapur Village & Gram Panchayat, Hatnoora Mandal, Sangareddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/169669/2020 (EC)

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

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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 proposed project as follows:

Total area is 18210.60 Sqm, out of which Green area is 6017.13 Sqm (33.04 %).

Nearest human habitation is Chandapur (V) @ 0.78 km; Nearest water body is Bhima Cheruvu @ 0.37 km; No RF is within 10 km radius from the industry.

Project Cost for proposed is Rs. 34.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 146.0 Lakhs and Recurring Cost is Rs. 24.0 Lakhs/annum. Budget for CER is Rs. 68.0 lakhs in first 5 years.

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

LIST OF PROPOSED PRODUCTS & ITS QUANTITIES

S.No.	Name of the Product	Capacity	
		MT/Month	Kg/Day
1	Acyclovir	2.00	66.67
2	Atorvastatin calcium Trihydrate	1.00	33.33
3	Azithromycin	3.00	100.00
4	Clopidogrel bisulfate	3.00	100.00
5	Domperidone	3.00	100.00
6	Duloxetine hydrochloride	1.00	33.33
7	Esomeprazole magnesium Trihydrate	10.00	333.33
8	Fenofibrate	2.00	66.67
9	Gabapentin	1.00	33.33
10	Glipizide	3.00	100.00
11	Guanidine Base	25.00	833.33
12	Guanidine hydrochloride	10.00	333.33
13	Itraconazole	10.00	333.33
14	Omeprazole	10.00	333.33
15	Pantoprazole sodium	10.00	333.33
16	Pregabalin	1.00	33.33
17	Rabeprazole sodium	2.00	66.67
18	Ritonavir	2.00	66.67
19	Rosuvastatin calcium	3.00	100.00
20	Tamsulosin hydrochloride	1.00	33.33
Total (Any 6 products will be manufactured at any given point of time)		75.00	2500.00

LIST OF BY-PRODUCTS & ITS QUANTITIES

S.No	Name of the product	Name of the By-product	Quantity	
			Kg/day	MT/Month
1	Clopidogrel Bisulfate	Triethylamine hydrochloride	63.90	1.92
2	Domperidone	Sodium acetate	115.30	3.46
		Ammonium chloride	22.90	0.69
		Sodium bromide	44.00	1.32
		Ammonium chloride	22.86	0.69
3	Duloxetine Hydrochloride	Oxalic acid	10.70	0.32
4	Fenofibrate	Potassium Bromide	29.70	0.89
5	Itraconazole	Triethylamine Hydrochloride	83.80	2.51

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6	Omeprazole	Ammonium sulphate	274.70	8.24
		Sodium nitrite	126.10	3.78
		sodium acetate	149.90	4.50
		Ammonium sulphate	438.50	13.16
7	Pantoprazole Sodium	Potassium sulphate	462.00	13.86
		Sodium acetate	142.15	4.26
8	Pregabalin	Ammonium chloride	82.00	2.46
9	Rabeprazole Sodium	Sodium acetate	38.55	1.16
		Acetic acid	28.30	0.85
10	Rosuvastatin Calcium	Meta Chloro benzoic acid	176.00	5.28

Note: The By-Products will be produced according to the products manufacturing.

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Proposed: 1 x 6.0 TPH	35.0	Cyclone separator followed by suitable pack of Bag filters
2	Thermic fluid heater 1 x 5 Lakh K.cal/hr	11.0	Cyclone separator
3	DG Sets: Proposed: 1 x 500 KVA & 1 x 750 KVA	9.0	Acoustic enclosure & Silencer
		10.0	

The process emissions containing Sulphur dioxide, Hydrogen iodide, Hydrogen Chloride, Hydrogen Bromide, Chloromethane, Hydrogen Fluoride & 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 by using Nitrogen through Flame arrestor

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	21.90	0.00	21.90
2	Washings	0.00	3.00	3.00
3	Boiler make up	24.00	11.00	35.00
4	Cooling towers make up	58.40	12.10	70.50
5	Scrubbing system	4.50	0.00	4.50
6	Domestic	0.00	7.00	7.00
7	Gardening	0.00	8.50	8.50
	Total	108.80	41.60	150.4

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	24.95	2.24	27.19	HTDS: HTDS effluents will be sent to MEE system followed by BTP. LTDS: LTDS effluents will be treated in BTP - RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to ATFD.
2	Washings	0.00	3.00	3.00	
3	Boiler Blow down	0.00	5.00	5.00	
4	Cooling towers Bleed off	0.00	7.50	7.50	
5	Scrubbing system	4.50	0.00	4.50	
6	Domestic	0.00	6.00	6.00	
Total		29.45	23.74	53.19	

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Details of Solid Waste:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	2645 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	57 Kg/Day	
3	Solvent Distillation Residue	542 Kg/Day	
4	Organic distillate from MEE Stripper	890 Kg/Day	
5	Inorganic Solid Waste	1403 Kg/Day	Will be sent to TSDF
6	MEE Salts	2233 Kg/Day	
7	ETP Sludge	95 Kg/Day	
8	Used Oils	225 Ltrs/Annum	Will be sent to SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers/ Container liners	750 No's / Month	After Detoxification will 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	8400 Kg/Day	Will be sent to Brick Manufacturers

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

Agenda Item No. 22	M/s. Athulitha Laboratories Pvt. Ltd., Plot No.: 34/A, Sy. Nos. 298 & 300, SVCIE, IDA Jeedimetla, Jeedimetla Village, Qutubullapur Mandal, Rang Reddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/170016/2020 (EC)

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

Consent vide order dt. 08.09.2006.

Latest CFO issued on 11.07.2016 from TSPCB and the unit is operating Bulk Drug & Bulk Drug Intermediate manufacturing.

Compliance of CFO Conditions – Submitted.

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 (F), 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 4174.44 Sqm, out of which Green area is 1382.00 Sqm (33.11 %).

Nearest human habitation is Jeedimetla (V) @ 0.59 km; Nearest water body is Fox Sagar @ 1.01km; Nearest RF is DullapalleRF @ 1.14km from the industry.

Project Cost for proposed expansion is Rs. 4.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 145.0 Lakhs and Recurring Cost is Rs. 28.0 Lakhs/annum. Budget for CER is Rs. 4.0 lakhs in first 5 years.

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


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LIST OF PROPOSED PRODUCTS & ITS QUANTITIES

S. No	Product Name	Quantity	
		MT/Month	Kg/Day
1	(2R-Cis)-4-Amino-1-(2-Hydroxy methyl-[1,3] oxathiolan-5-yl)-1H-pyrimidine-2-one monosalicylate monohydrate	20.00	666.67
2	(2s, 3s, 5s)-5-Amino-2-N,N-Dibenzyl amino-3-hydroxy-1,6- di-phenyl hexane	10.00	333.33
3	2-(2-Amino-5-chloro phenyl)-4-cyclopropyl-1,1,1-trifluoro-But-3-yn-2-ol	5.00	166.67
4	2-Chloromethyl-3,4-dimethoxy-pyridine Hydrogen chloride (Pantoprazole chloro compound)	10.00	333.33
5	4-[1-Hydroxy-4 (Hydroxy-Diphenyl methyl)-1-piperidiny] butyl-Alpha,Alpha -Dimethyl benzene acetic acid methyl ester	10.00	333.33
6	4-Amino-5-fluoro-1-(2-hydroxymethyl-[1,3]oxathiolan-5-yl)-1h-pyrimidin-2-one hydrochloride	10.00	333.33
7	5-Difluoro methoxy-2-mercapto-benzimidazole (Pantoprazole benzimidazole)	15.00	500.00
8	5-Chloro-1-piperidin-4-yl-1,3-dihydro-benzimidazol-2-one	5.00	166.67
9	6-Chloro-5-(2,3-dichloro-phenoxy)-1H-benzimidazole-2-thiol (Triclabendazole Intermediate)	15.00	500.00
10	5-methoxy-2 Mercaptobenzimidazole (Omeprazole Benzimidazole)	10.00	333.33
11	Benzyl magnesium chloride	10.00	333.33
12	Domperidone	5.00	166.67
13	Hydroxy chloroquine sulfate	10.00	333.33
14	Lopinavir	5.00	166.67
15	N-Methyl-piperidine-4-one	5.00	166.67
16	Omeprazole	10.00	333.33
17	Pantoprazole Sodium	15.00	500.00
18	Ritonavir	5.00	166.67
19	Triclabendazole	20.00	666.67
Total (Any 2 products will be manufactured at any given point of time)		40.00	1333.33

LIST OF BY-PRODUCTS & ITS QUANTITIES

S. No	Name of the product	Name of the By-product	Quantity	
			Kg/day	MT/Month
1	(2R-Cis)-4-Amino-1-(2-Hydroxy methyl-[1,3] oxathiolan-5-yl)-1H-pyrimidine-2-one monosalicylate monohydrate (Lamivudine intermediate)	Menthol	341.30	10.24
		Boric acid	135.10	4.05
2	((2s, 3s, 5s)-5-Amino-2-N,N-Dibenzyl amino-3-hydroxy-1,6- diphenyl hexane (Ritonavir intermediate)	Potassium chloride	205.20	6.16
		Benzyl alcohol	126.50	3.80
		Citric acid	238.90	7.17
		Magnesium Hydroxide	57.90	1.74
		Magnesium chloride	94.60	2.84
		Benzyl alcohol	107.40	3.22
	Boric acid	52.20	1.57	

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S. No	Name of the product	Name of the By-product	Quantity	
			Kg/day	MT/Month
3	2-(2-Amino-5-Chloro-Phenyl)-4-Cyclopropyl-1, 1, 1-Trifluoro-But-3-Yn-2-Ol (Efavirenz Intermediate)	Sodium acetate	108.50	3.26
		Boric acid	40.90	1.23
4	2-Chloromethyl-3,4-dimethoxy-pyridine Hydrogen chloride	Potassium sulphate	216.50	6.50
		Sodium acetate	82.50	2.48
5	4-[1-Hydroxy-4 [Hydroxy-Diphenyl methyl]-1-piperidinyl] butyl-Alpha,Alpha-Dimethyl benzene acetic acid methyl ester	Aluminum Hydroxide solution (33%)	264.50	7.94
		Potassium chloride	65.20	1.96
		Boric acid	46.50	1.40
6	4-Amino-5-fluoro-1-(2-hydroxymethyl-[1,3]oxathiolan-5-yl)-1H-pyrimidin-2-one hydrochloride (Entricitabine intermediate)	Menthol	208.70	6.26
		Boric acid	82.50	2.48
7	5-Chloro-1-piperidin-4-yl-1,3-dihydro-benzimidazol-2-one (Domperidone intermediate)	Sodium ethoxide	52.40	1.57
		Ammonium chloride	47.90	1.44
8	5-Difluoro methoxy-2- Mercapto-benzimidazole (Pantoprazole intermediate)	Acetic acid	218.20	6.55
		Sodium sulfide	344.15	10.32
		Sodium hydrogen sulfide	150.65	4.52
9	5-methoxy-2 Mercapto benzimidazole (Omeprazole intermediate)	Acetic acid	211.80	6.35
10	6-Chloro-5-(2,3-dichloro-phenoxy)-1H-benzimidazole-2-thiol (Triclabendazole Intermediate)	Potassium chloride	420.70	12.62
		Sodium acetate	186.75	5.60
11	Domperidone	Sodium acetate	192.10	5.76
		Ammonia sulphate	171.00	5.13
		Ammonium chloride	76.30	2.29
		Sodium bromide	73.30	2.20
12	Hydroxy Chloroquine phosphate	Ethanol	166.80	5.00
		Phosphoric acid	101.70	3.05
13	Lopinavir	Benzyl Alcohol	246.10	7.38
		Monosodium citrate	352.70	10.58
		Potassium chloride	153.40	4.60
14	N-Methyl-Piperidine-4-One (Domperidone Intermediate)	Sodium acetate	138.90	4.17
		Methanol	116.60	3.50
15	Omeprazole	Ammonium sulphate	713.20	21.40
		Sodium nitrite	126.10	3.78
		sodium acetate	149.90	4.50
16	Pantoprazole Sodium	Sodium Di-hydrogen phosphate	725.13	21.75
		Acetic Acid	199.83	5.99
		Sodium acetate	223.70	6.71
17	Ritonavir	Sodium acetate	95.80	2.87
		4-Nitro phenol	104.70	3.14
		Sodium phosphate	34.10	1.02

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Proposed: 2 x 2.0 TPH	30.0	Cyclone separator followed by suitable pack of Bag filters
2	Thermic fluid heater Existing: 1 x 1 Lakh K.cal/hr	15.0	Cyclone separator

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3	DG Sets:		
	Proposed: 1 x 250 KVA & 1 x 500 KVA	7.0 9.0	Acoustic enclosure & Silencer

The process emissions containing Sulphur dioxide, Chloromethane, Hydrogen Chloride, Hydrogen Bromide & 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 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	11.17	0.00	11.17
2	Washings	0.00	2.00	2.0
3	Boilers make up	14.04	9.96	24.0
4	Cooling towers make up	31.00	10.00	41.0
5	Scrubbing system	5.00	0.00	5.0
6	Domestic	0.00	4.50	4.5
7	Gardening	0.00	2.00	2.0
	Total	61.21	28.46	89.67

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	12.94	3.35	16.29	HTDS: HTDS effluents will be sent to MEE system followed by BTP. LTDS: LTDS effluents will be treated in BTP – RO Plant. RO Rejects to MEE System and RO permeate to reuse, Condensate from MEE to reuse and MEE residue to ATFD.
2	Washings	0.00	2.00	2.00	
3	Boilers Blow down	0.00	4.00	4.00	
4	Cooling towers Bleed off	0.00	4.50	4.50	
5	Scrubbing system	5.00	0.00	5.00	
6	Domestic	0.00	4.00	4.00	
Total		17.94	17.85	35.79	

Details of Solid Waste after expansion:

S. No	Name of the Waste	Quantity	Disposal Method
1	Organic solid waste	3048 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	42 Kg/Day	
3	Solvent Distillation Residue	404 Kg/Day	
4	Inorganic Solid Waste	2538 Kg/Day	Will be sent to TSDF
5	ETP Sludge	50 Kg/Day	
6	MEE Salts	1431 Kg/Day	
7	Organic distillate from MEE Stripper	420 Kg/Day	Will be sent to Cement Industries
8	Used Oils	150 Ltrs/Annum	Will be sent SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers	900 No's / Month	After Detoxification will 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	4550 Kg/ Day	Will be sent to Brick Manufacturers

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After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-1.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

1. Sri T. Vijaya Laxmi
2. Sri R.S. Mantri
3. Sri Ch. Krishna Reddy

Agenda Item No. 23	M/s. Sigachi Laboratories Ltd. (Unit-I), Sy. No. 526, 527, 528, 529, 530 and its Parts, 534, Bonthapally, Gummadidala Mandal, Sangareddy District (Expansion) - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/170098/2020 (EC)

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.

EC obtained on dt. 11.08.2005 from the MoE&F, GoI for the existing unit for manufacturing of Bulk Drug.

Submit copy of certified compliance report issued by the Regional Office of the MoEF&CC, GoI, Chennai, as per O.M. dt.30.05.2012 & 07.09.2017 of MoE&F, GoI: Not Applicable

CFE issued on 06.08.2003

CFO issued on 06.09.2017 from TSPCB and the unit is operating.

Compliance of EC & CFO conditions – Submitted.

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 after proposed Expansion as follows:

Total area is 9.99 Acres (40428.10Sq. m), out of which Green area is 15987.41 Sqm (39.54 %).

Nearest human habitation is Bonthapalle (V) @ 0.69 km; Nearest water body is Ran Cheruvu @ 0.71 km; Nearest RF is BonthapalleRF @ 0.59 km from the industry.

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Project Cost for proposed expansion is Rs. 22.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 164 Lakhs and Recurring Cost is Rs. 31 Lakhs/annum. Budget for CER is Rs. 22.0 lakhs in first 5 years.

The details of Products & production capacity are as following:

Products:

S. No	Name of the Proposed Product	Capacity	
		Kg/ Day	TPM
1	1-(2,4-Dichlorophenyl)-2-(1H-imidazol-1-yl)ethanone (Fenticonazole Nitrate Intermediate)	8.33	0.25
2	2,4-Dihydro-4-[4-[4-(4-hydroxyphenyl)-1-piperazinyl]phenyl]-2-(1-methylpropyl)-3H-1,2,4-triazol-3-one	200.00	6.00
3	2,4-Dihydro-4-[4-[4-(4-methoxyphenyl)-1-piperazinyl]phenyl]-2-(1-methylpropyl)-3H-1,2,4-triazol-3-one	66.67	2.00
4	2,4-Dihydro-4-[4-[4-(4-methoxyphenyl)-1-piperazinyl]phenyl]-3H-1,2,4-triazol-3-one	300.00	9.00
5	2-[2-(Dimethylamino)ethyl]indan-1-one (Dimetindene Intermediate)	8.33	0.25
6	2-Chloromethyl-4-(3-methoxy propoxy)-3-methyl pyridine Hydrochloride	166.67	5.00
7	5-[(2R)-2-Aminopropyl]-1-[3-(benzyloxy)propyl]-2,3-dihydro-7-carbonitrile-1H-indole(2R,3R)-2,3-dihydroxy butanedioate	8.33	0.25
8	5-Methoxy-2-[[4-methoxy-3,5-dimethyl-2-pyridinyl]-2-methyl thio]-1H-benzimidazole	500.00	15.00
9	Azilsartan Medoxomil Potassium	3.33	0.10
10	BepotastineBesilate	10.00	0.30
11	Canagliflozin Hemihydrate	1.67	0.05
12	Cimetapride Hydrogen Tartrate	16.67	0.50
13	Cis-2-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-yl-methyl)-1,3-dioxolan-4-yl-methyl methane sulfonate	300.00	9.00
14	DabigartanEtcxilate Mesylate	66.67	2.00
15	Dapagliflozin Propylene Glycol Hydrate	3.33	0.10
16	Ertugliflozin L-pyroglutamic acid	0.17	0.005
17	Esomeprazole Sodium	6.67	0.20
18	Fosfomycin Tromethamine	33.33	1.00
19	Garenoxacin Mesylate Monohydrate	3.33	0.10
20	Isavuconazonium Sulfate	0.33	0.01
21	Itopride Hydrochloride	50.00	1.50
22	Itraconazole	666.67	20.00
23	Lansoprazole	333.33	10.00
24	Loxoprofen Sodium Dihydrate	33.33	1.00
25	Lurasidone Hydrochloride	6.67	0.20
26	Montelukast Sodium	10.00	0.30
27	Omeprazole	333.33	10.00
28	Omeprazole Sodium	16.67	0.50
29	Omeprazole Magnesium Trihydrate	33.33	1.00
30	Oxiconazole Nitrate	8.33	0.25
31	Ozenoxacin	0.83	0.025
32	Prucalopride Succinate	0.83	0.025
33	Rabeprazole Sodium	666.67	20.00
34	Silodosin	8.33	0.25
35	Vildagliptin	33.33	1.00
36	Vonoprazan Fumarate	33.33	1.00
37	R & D and Validation products	10.00	0.30
	Total	3948.83	2.55

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1 x 2.0 TPH Proposed: 1 x 2.0 TPH & 2 x 3.0 TPH	30 30 30	Cyclone separator followed by suitable pack of Bag filters
2	DG Sets: Existing: 1 x 500 kVA Proposed: 1 x 1000 kVA	9 10	Acoustic enclosure & Silencer

The process emissions containing Sulphur dioxide, Bromomethane, Hydrogen Chloride, Hydrogen Bromide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Oxygen 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 after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	30.83	0.00	30.83
2	Washings	0.00	4.00	4.00
3	Boilers make up	50.00	10.00	60.00
4	Cooling towers make up	135.86	16.64	152.50
5	Scrubbing system	5.50	0.00	5.50
6	Domestic	0.00	11.50	11.50
7	Gardening	0.00	23.50	23.50
	Total	222.19	65.64	287.83

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	36.86	0.00	36.86	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological FTP & RO.
2	Washings	0.00	4.00	4.00	
3	Boilers Blow down	0.00	10.00	10.00	
4	Cooling towers Bleed off	0.00	16.00	16.00	
5	Scrubbing system	5.50	0.00	5.50	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	Domestic	0.00	10.00	10.00	
	Total	42.36	40.00	82.36	

Details of Solid Waste after expansion:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	3646 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	347 Kg/Day	
3	Solvent Distillation Residue	959 Kg/Day	
4	Organic distillate from MEE Stripper	490 Kg/Day	
5	MEE Salts	4560 Kg/Day	Will be sent to TSDF
6	ETP Sludge	60 Kg/Day	

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7	Used Oils	300 Ltrs/Annum	Will be sent to SPCB Authorized Agencies for Reprocessing/ Recycling
8	Detoxified Containers/ Container liners	900 dNo's / Month	After Detoxification will be sent to SPCB authorized agencies.
9	Used Lead Acid Batteries	4 No's/ Annum	Send back to suppliers for buyback of New Batteries
10	Ash from boilers	10325 Kg/Day	Will be sent to Brick Manufacturers

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

1. Sri R.S. Mantri
2. Smt. T. Vijaya Laxmi
3. Sri Ch. Krishna Reddy

Agenda Item No. 24	M/s. Auro Derm Pvt. Ltd., Sy. No: 252/A, Aroor Village, Sadasivapet Mandal, Sangareddy District - Environmental Clearance - Reg.
Proposal No.	SLA/TG/IND2/170250/2020 (EC)

The representative of the project proponent Sri V.N.S Reddy; 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 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 proposed project as follows:

Total area is 2.33 Acres (9429.17 Sqm), out of which Green area is 3177.2 Sqm (33.70 %).

Nearest human habitation is Budra(V) @ 0.80 km; Nearest water body is Ganga Katwavagu@ 1.9 km; Nearest RF is none within 10 km from the industry.

Project Cost for proposed expansion is Rs. 14.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 127 Lakhs and Recurring Cost is Rs. 20 Lakhs/annum. Budget for CER is Rs. 28.0 lakhs in first 5 years.

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

Products:

S. No.	Name of the Product	Capacity	
		Kg/ Day	TPM
1	Ciprofloxacin hydrochloride	333.33	10.00
2	Dexlansoprazole	33.33	1.00
3	Dolutegravir	33.33	1.00
4	Enrofloxacin	333.33	10.00
5	Gabapentin	166.67	5.00
6	Lamivudine	33.33	1.00
7	Lopinavir	33.33	1.00
8	Olmesartan	66.67	2.00
9	Oseltamivir Phosphate	33.33	1.00
10	Pantoprazole sodium	166.67	5.00
11	Racecadotril	33.33	1.00
12	Ritonavir	33.33	1.00
13	Telmisartan	33.33	1.00
14	Valsartan	33.33	1.00
15	Zidovudine	33.33	1.00
Total (Any 5 products will be manufactured at any given point of time)		1066.67	32.00

By-products:

S. No	Name of the product	Name of the By-product	Quantity	
			Kg/day	TPM
1	Ciprofloxacin Hydrochloride	Sodium acetate	191.90	5.76
		Piperazine Hydrochloride	152.30	4.57
		Ammonium acetate	86.20	2.59
2	Lamivudine	L-Menthol	29.40	0.88
		Boric acid	11.60	0.35
3	Lopinavir	Benzyl Alcohol	19.20	0.58
		Monosodium citrate	70.50	2.12
		Potassium chloride	30.70	0.92
4	Oseltamivir Phosphate	Tert butyl chloride	9.70	0.29
5	Pantoprazole Sodium	Potassium Sulphate	129.60	3.89
		Sodium Di hydrogen phosphate	138.00	4.14
		Sodium acetate	56.60	1.70
6	Ritonavir	Sodium acetate	19.20	0.58
		4-Nitro phenol	21.00	0.63
		Sodium phosphate	6.80	0.20
7	Zidovudine	Triethylamine Hydrochloride	71.70	2.15
		Benzene sulfonic acid	23.20	0.70

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Proposed: 1 x 5.0 TPH	30 m	Cyclone separator followed by suitable pack of Bag filters
2	Thermic fluid heater 1 x 1 Lakh K. Cal/hr	11 m	Cyclone separator
3	DG Sets: Proposed: 1 x 320 kVA	8 m	Acoustic enclosure & Silencer

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The process emissions containing Sulphur dioxide, Dimethylamine, Hydrogen Chloride, Hydrogen Bromide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Oxygen 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	14.65	0.00	14.65
2	Washings	0.00	1.00	1.00
3	Boilers make up	20.00	9.00	29.00
4	Cooling towers make up	61.17	9.83	71.00
5	Scrubbing system	2.00	0.00	2.00
6	Domestic	0.00	4.50	4.50
7	Gardening	0.00	5.00	5.00
	Total	97.82	29.33	127.15

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	15.88	2.03	17.91	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	0.00	1.00	1.00	
3	Boilers Blow down	0.00	4.00	4.00	
4	Cooling towers Bleed off	0.00	8.00	8.00	
5	Scrubbing system	2.00	0.00	2.00	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	Domestic	0.00	4.00	4.00	
	Total	17.88	19.03	36.91	

Details of Solid Waste:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	1565 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	55 Kg/Day	
3	Solvent Distillation Residue	209 Kg/Day	
4	Organic distillate from MEE Stripper	620 Kg/Day	
5	Inorganic Solid Waste	508 Kg/Day	Will be sent to TSDF
6	MEE Salts	1098 Kg/Day	
7	ETP Sludge	70 Kg/Day	
8	Used Oils	80 Ltrs/Annum	Will be sent to SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers/ Container liners	450 No's / Month	After Detoxification will be sent to SPCB authorized agencies.
10	Used Lead Acid Batteries	2 No's/ Annum	Send back to suppliers for buyback of New Batteries
Solid waste details			
11	Ash from boiler	7000 Kg/Day	Will be sent to Brick Manufacturers

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

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Agenda Item No. 25	M/s. Atulitha Laboratories Pvt. Ltd. Unit- II, Sy. No. 332, 335, 336 & 341, Veliminedu (V), Chityala (M), Nalgonda District (Expansion) - Environmental Clearance - Reg.
Proposal No.	SIA/TC/IND2/170203/2020 (EC)

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

EC obtained on dt. 10.09.2007 from the MoE&F, GoI for the existing unit to manufacture Bulk Drug Intermediate.

Project Proponent Submitted copy of certified compliance report on EC conditions.

CFE issued on 05.11.2018

CFO issued on 17.11.2018 from TSPCB and the unit is operating.

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 after proposed Expansion as follows:

Total area is 12.65 Acres (51192.734 Sq. m), out of which Green area is 17505 Sqm (34.19 %).

Nearest human habitation is Pittam Palle (V) @ 1.25 km; Nearest water body is Water Body Nearby Pare Palle@ 4.09 km; Nearest RF is Chityala RF @ 5.82 km from the industry.

Project Cost for proposed expansion is Rs. 27.6 Crores. Budget for Environmental protection towards Capital Cost is Rs. 225 Lakhs and Recurring Cost is Rs. 31 Lakhs/annum. Budget for CER is Rs. 27.6 lakhs in first 5 years.

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

Products:

S. No	Product	Capacity	
		Kg/Day	TPM
1	2-Chloromethyl-3,4-Dimethoxy-pyridine Hydrochloride (Pantoprazole Chloro compound)	800.0	24.00
2	5-Difluoromethoxy-2-Mercapto Benzo Imidazole (Pantoprazole Sodium Intermediate)	800.0	24.00
3	Abacavir Sulfate	800.0	24.00
4	Acyclovir	800.0	24.00
5	Carvedilol	800.0	24.00
6	Ciprofloxacin Hydrochloride	800.0	24.00
7	Cloasantel Sodium	800.0	24.00
8	Darunavir Hydrochloride	800.0	24.00
9	Domperidone	800.0	24.00
10	Fluconazole	800.0	24.00
11	Hydroxy Chloroquine sulfate	800.0	24.00
12	Itraconazole	800.0	24.00
13	Lamivudine	800.0	24.00
14	Lansoprazole	800.0	24.00
15	Lopinavir	800.0	24.00
16	Omeprazole	800.0	24.00
17	Pantoprazole sodium	800.0	24.00
18	Rabeprazole sodium	800.0	24.00

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S. No	Product	Capacity	
		Kg/Day	TPM
19	Ritonavir	800.0	24.00
20	Telmisartan	800.0	24.00
21	Tenofovir Disoproxil fumarate	800.0	24.00
22	Tramadol Hydrochloride	800.0	24.00
23	Triclabendazole	800.0	24.00
24	Valacyclovir Hydrochloride Monohydrate	800.0	24.00
25	Valsartan	800.0	24.00
26	Zidovudine	800.0	24.00
Total (Any four products will be manufactured at any point of time)		3200.0	96.00

By-products:

S. No	Name of the product	Name of the By-product	Capacity	
			Kg/day	TPM
1	5-Difluoro methoxy-2-Mercapto-benzimidazole (Pantoprazole intermediate)	Acetic acid	349.10	10.47
		Sodium sulfide	550.65	16.52
		Sodium hydrogen sulfide	241.00	7.23
2	2-Chloromethyl-3,4-dimethoxy-pyridine Hydrogenchloride	Potassium sulphate	1039.10	31.17
		Sodium acetate	395.90	11.88
3	Abacavir Sulfate	Disodium tartarate	851.10	25.53
4	Ciprofloxacin Hydrochloride	Sodium acetate	460.60	13.82
		Piperazine Hydrochloride	365.60	10.97
		Ammonium acetate	207.00	6.21
5	Darunavir Hydrochloride	Boric acid	127.70	3.83
6	Domperidone	Sodium acetate	666.10	19.98
		Ammonium sulphate	659.10	19.77
		Ammonium chloride	282.10	8.46
		Sodium bromide	315.60	9.47
7	Fluconazole	Potassium iodide	614.10	18.42
		Potassium chloride	463.60	13.91
8	Hydroxy Chloroquine sulfate	Ethanol	400.40	12.01
		Phosphoric acid	244.00	7.32
9	Itraconazole	Potassium Bromide	273.40	8.20
		Triethylamine Hydrochloride	249.80	7.49
		Potassium Methane Sulfonate	192.50	5.78
10	Lamivudine	L-Menthol	673.10	20.19
		Boric acid	266.30	7.99
11	Lansoprazole	Sodium acetate	324.70	9.74
12	Lopinavir	Benzyl Alcohol	459.60	13.79
		Monosodium citrate	1692.80	50.78
		Potassium chloride	736.50	22.10
		Magnesium chloride	348.10	10.44
		Boric acid	194.40	5.83
13	Omeprazole	Ammonium sulphate	1711.60	51.35
		Sodium nitrite	302.70	9.08
		sodium acetate	359.90	10.80
14	Pantoprazole Sodium	Potassium Sulphate	1253.60	37.61
		Sodium Di hydrogen phosphate	1160.20	34.81
		Acetic Acid	319.70	9.59
		Sodium acetate	357.90	10.74
15	Rabeprazole Sodium	Sodium nitrite	476.00	14.28
		Sodium acetate	463.90	13.92
		Acetic acid	339.40	10.18
		Ammonium chloride	203.40	6.10
16	Ritonavir	Sodium acetate	459.70	13.79

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S. No	Name of the product	Name of the By-product	Capacity	
			Kg/day	TPM
17	Telmisartan	Boric acid	214.70	6.44
		4-Nitro phenol	502.70	15.08
		Sodium phosphate	163.80	4.91
		Sodium bromide	206.60	6.20
		Sodium acetate	144.80	4.34
18	Tenofovir Disoproxil Fumarate	p-Toluene sulfonic acid	347.20	10.42
		Triethylamine hydrochloride	206.30	6.19
19	Valsartan	Potassium chloride	194.20	5.83
		Potassium Bromide	310.10	9.30
20	Zidovudine	Triethylamine Hydrochloride	1546.90	46.41
		Benzene sulfonic acid	544.40	16.33

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1 x 3.0 TPH Proposed: 1 x 2.0 TPH & 1 x 5.0 TPH	30 m 30 m 30 m	Cyclone separator followed by suitable pack of Bag filters
2	Thermic fluid heater 1 x 2 Lakh K. Cal/hr (Furnace Oil)	11 m	Cyclone separator
3	DG Sets: Proposed: 1 x 500 kVA & 1 x 1000 kVA	9 m 11 m	Acoustic enclosure & Silencer

The process emissions containing Sulphur dioxide, Chloromethane, Dimethylamine, Hydrogen Chloride, Hydrogen Bromide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Oxygen 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 after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	53.92	0.00	53.92
2	Washings	0.00	3.50	3.50
3	Boilers make up	39.00	20.00	59.00
4	Cooling towers make up	62.57	32.43	95.00
5	Scrubbing system	15.00	0.00	15.00
6	Domestic	0.00	7.00	7.00
7	Gardening	0.00	26.00	26.00
	Total	170.49	88.93	259.42

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	57.43	14.07	71.50	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & AFD. LTDS: Biological ETP & RO.
2	Washings	0.00	3.50	3.50	
3	Boilers Blow down	0.00	9.00	9.00	
4	Cooling towers Bleed off	0.00	10.00	10.00	
5	Scrubbing system	16.00	0.00	16.00	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	Domestic	0.00	6.00	6.00	
	Total	73.43	42.57	116.00	

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Details of Solid Waste after expansion:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste	10473 Kg/Day	Will be sent to Cement Industries
2	Spent Carbon	204 Kg/Day	
3	Solvent Distillation Residue	1414Kg/Day	
4	Inorganic Solid Waste	6868 Kg/Day	Will be sent to TSDF
5	ETP Sludge	240 Kg/Day	
6	MEE Salts	4499 Kg/Day	
7	Organic distillate from MEF Stripper	2160 Kg/Day	Will be sent to Cement Industries
8	Used Oils	300 Ltrs/Annum	Will be sent SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers	900 No's / Month	After Detoxification will be sent to SPCB Authorized Agencies.
10	Used Lead Acid Batteries	4 No's/ Annum	Will be sent back to suppliers for buyback of New Batteries
11	Ash from boilers	11375 Kg/Day	Will be sent to Brick Manufacturers

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on the following:

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-1.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, Gov.
- xii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiii) Greenbelt development

Members of Sub-Committee:

1. Smt. T. Vijaya Laxmi
2. Sri Ch. Krishna Reddy
3. Sri Suresh

Agenda Item No. 26	"Aparna Sarovar Zicon" by M/s. Aparna Infrahousing Pvt. Ltd. Sy Nos. 264, 265, 266, 267, 268, 269, 270, 271, 272, 279, 280, 281(P), 282(P), 283 and 284 (P), Nalagandla, Serilingampally, Rangareddy District - Environmental Clearance - Reg.
Proposal No.	SI/TG/MIS/140795/2020 (EC)

Earlier, the SELAA in its meeting held on 04.09.2020 decided to refer back the proposal to the SEAC to furnish the following clarification as the project is located on upstream side of Nalagandla Pedda Cheruvu:

- Verify land use pattern as per HMDA master plan.
- Whether construction of Foot Over Bridge over Nala by the proponent confers to the norms of I&CAD Department.

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The SEAC noted the decision of SEIAA.

The SEAC also noted the clarification submitted by the proponent. The proponent informed that as per HMDA Master Plan, the land use pattern of the proposed site is under "multiple purpose use zone". Further, w.r.t foot over bridge, it was informed that it is not a foot over bridge but it is a closed box type drain. The design of the closed box type drain / channel is provided by GHMC vide Ir.dt. 05.09.2008. The proponent also submitted copies of Ir.dt.05.09.2008 of the Deputy Commissioner, GHMC (West Zone) addressed to the proponent, Ir.dt.16.06.2008 of the Executive Engineer, North Tanks Division, I&CAD Dept., addressed to GHMC and Ir.dt.31.01.2008 of the Deputy Commissioner, GHMC addressed to the Executive Engineer, North Tanks Divisions, I&CAD Dept., regarding Chanalization & Design of Nala passing through Sy.No.265,280, 268, 272 of Nallagandla (V), Serlingampally (M), Rangareddy District.

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

Agenda Item No. 27	M/s. Theraplva Private Limited, Unit-I, Plot Nos. 218 and 219, Phase-II, IDA Pashamylaram, Patancheru Mandal, Sangareddy District - Environmental Clearance - Reg.
Proposal No.	SLA/TG/IND2/153200/2020 (EC)

Earlier, the SEIAA in its meeting held on 18.09.2020 decided to refer back the proposal to the SEAC to furnish recommendations after examination of proposal with dedicated ZLD system to treat the effluents of Unit-I only, duly excluding the effluents from Unit-II.

The SEAC noted the decision of SEIAA. After detailed discussions, the SEAC decided to inform the proponent to revise and submit proposal with ZLD system to treat the effluents of Unit-I only, duly excluding the effluents from Unit-II.

Agenda Item No. 28	M/s. P. Vasudeva Reddy and Others by M/s. GAR Corporation Pvt Ltd, Sy.No.18/P, 19 & 20, Kokapet (V), Gandipet (M), Ranga Reddy District - Environmental Clearance - Reg.
Proposal No.	SLA/TG/MIS/52782/2020 (EC)

Earlier, the SEIAA in its meeting held on 23.09.2020 decided to refer back the proposal to SEAC due to insufficient parking area (<55%) as per G.O.Ms.No.168, dt.07.04.2012 of MA&UD Department and to obtain letter from I&CAD Department regarding non-existence of natural streams in the site.

The SEAC noted the decision of SEIAA. The SEAC noted that project proponent vide letter dt. 26.09.2020 submitted clarification as following:

As the proposed project is "IT Building" the parking area required as per G.O.Ms.No. 168 is 55% of the total Built up area.

The total Built-up area of the project is 3,10,088.29 Sq.m. Total parking area required is 1,70,548.56 Sq.m. (55% of the total built-up area)

The parking area is allocated is stilt and Basement (with stack parking)

Parking Calculation	Area in Sq.m.
Stilt Floor - 1	8662.95
Stilt Floor - 2	11109.87
Stilt Floor - 3	11109.87
Stilt Floor - 4	11109.87
Stilt Floor - 5	11109.87
Total Stilt parking	53,102.43

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Parking Calculation	Area in Sq.m.
Basement - 1	19346.02
Basement - 2	19346.02
Basement - 3	19346.02
Basement - 4	19346.02
Basement - 5	19346.02
Total Basement Parking	96,730.1
Total Basement and Stilt Parking	1,49,832.53
Basement stack parking	96,730.1
Total Parking area including stack	2,46,562.63 (79.51%)

In regards of letter form I&CAD department: There is no natural streams passing from the project site which was already verified by the Sub-Committee. As there are no streams passing through the site I&CAD department will not issue letter.

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

Agenda Item No. 29	2.023 Ha. Mossic Chips Quarry Of M/s. Sangham Minerals, Sy. No. 318, Raghunadhapalem Village, Mattampally Mandal, Suryapet District - Environmental Clearance - Reg.
Proposal No.	SI/TG/MIN/134091/2019 (EC)

Earlier, the SELAA in its meeting held on 23.09.2020 decided to refer back the proposal to SEAC to obtain NOC from I&CAD Department, as a nala flows across the mine lease area.

The SEAC noted the decision of SELAA. After detailed discussions, the SEAC decided to inform the proponent to submit NOC from I&CAD Dept., as a Nala flows across their Mine Lease area.


CHAIRMAN, SEAC

