

**MINUTES OF THE 78th MEETING OF
STATE EXPERT APPRAISAL COMMITTEE,
(SEAC), TELANGANA STATE
HELD ON 09.09.2020, 10:30 A.M.**

Minutes of the SEAC Meeting held on 09.09.2020

MINUTES OF THE 78th MEETING OF STATE EXPERT APPRISAL COMMITTEE (SEAC) HELD ON 09.09.2020 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.	Shri Suresh, B-106, Vertex prime, Nizampet Road, Kukatpalli, Hyderabad. Ph: 9177037785	Member
5.	Dr.Vemula Vinod Goud, H.No. 6-156, Sridurga Estates, Deepthisri Nagar, Madinaguda, Hyderabad-500049. Ph:9440386945	Member
6.	Prof.C.Venkateshwar, Department of Botany, University College of Science. OU. Hyd. Flat No. 117, 'C' Block, Janapria 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 09.09.2020.

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

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Agenda Item No. 01	M/s. Covalent Laboratories Pvt. Ltd., Unit-I, Sy.No. 315/EE, 337/A, 337/AA, 345/A, 346/A1, 358/1A, 359/AA, 374/A, 374/AA, 375, 376, 377/A, 377/A1, 377/EE/1, 324/EE, 324/E, 336/AA, 328/EE, 355/A, 329/A, 329/AA, 336/A, 335/A, 335/AA, Gundlamachnoor (V), Hathnoora (M), Sangareddy District – Environmental Clearance (Expansion) – Reg.
Proposal No.	SIA/TG/IND2/155716/2020 (EC)

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

The SEAC noted that the existing industry was established in the year 1989 to manufacture Bulk Drugs. It is noted that the industry obtained EC on 30.11.2004, EC (Expansion) on 30.12.2015, EC (amendment) on 23.06.2017 and EC (Corrigendum) on 19.12.2017 from the MoE&F, GoI.

The SEAC noted that the proponent has submitted self certified compliance report on earlier EC conditions.

The existisng industry obtained CFE on 29.09.2016 and CFE (Amendment) on 25.07.2017 from the TSPCB.

The industry obtained latest CFO on 30.09.2021 from TSPCB.

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 29.57 Ha. out of which Green area is 11.87 Ha (40.14%).

Nearest human habitation is Gundlamachnur(V) @ 0.58km; Nearest water body is NakkaVagu @ 0.88 km; from the industry.

Project Cost after proposed expansion is Rs.299.5Crores (including existing Rs.250.2 crores). Budget for Environmental protection towards Capital Cost is Rs. 2491.0 Lakhs (including existing Rs. 2067.0 lakhs) and Recurring Cost is Rs. 2400.0 Lakhs/annum. Budget for CER is Rs. 49.0 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	Cefixime Trihydrate	4166.7	125.0
2	Cefpodoxime Proxetil	833	25.0
3	Cefuroxime Axetil	2000	60.0
4	Cefuroxime Sodium	66.7	2.0
5	Ceftriaxone Sodium	500	15.0
6	Cefpirome Sulfate	33.3	1.0
7	Cefdinir Monohydrate	200	6.0
8	Cefprozil Monohydrate	166.7	5.0
9	Cefepime Dihydrochloride Monohydrate	33.3	1.0
10	Cefuroxime Acid	100	3.0
11	Cefditoren Pivoxil	33.3	1.0
12	Ceftibuten Monohydrate	66.7	2.0

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S.No	Name of Product	Capacity	
		Kg/day	TPM
13	Cefazoline Sodium	33.3	1.0
14	Cefoperazone Sodium	33.3	1.0
15	Cefoxitin Sodium	16.7	0.5
16	Ceftazidime Pentahydrate	16.7	0.5
17	Cefotaxime Sodium	100	3.0
18	Ceftizoxime Sodium	33.3	1.0
19	Cephalothin Sodium	33.3	1.0
20	Cefpodoxime Acid	33.3	1.0
21	Cefcapene Pivoxil	26.7	0.8
22	Cefmetazole Sodium	33.3	1.0
23	Cefmetazole	33.3	1.0
24	7-AVNA	166.7	5.0
25	MEAT (Thio Ester)	166.7	5.0
26	7-APCA	100	3.0
27	7-Amino-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0] oct-2-ene-2-carboxylic acid (7-AMCA)	33.3	1.0
28	7-Amino-3-thiazole cephalosporanic acid (7-ATCA)	66.7	2.0
29	Cefaclor Monohydrate	666.7	20.0
Maximum any 20 campaign products out of 29 products		9533	286
Captive Power Generation		3 & 2 MW	

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	2-Mercaptobenzothiazole	Cefixime Trihydrate	1499.76	45.0
		Cefpodoxime Proxetil	399.84	12.0
		Cefpirome Sulfate	10.64	0.3
		Cefdinir Monohydrate	245.96	7.4
		Cefepime Dihydrochloride Monohydrate	10.05	0.3
		Cefditoren Pivoxil	16.50	0.5
		Ceftazidime Pentahydrate	13.28	0.4
		Cefotaxime Sodium	49.00	1.5
		Ceftizoxime Sodium	16.70	0.5
		Cefpodoxime Acid	18.04	0.5
	MEAT (Thio Ester)	101.00	3.0	
2	Ethyl-3-oxobutanoate	Cefaclor Monohydrate	246.05	7.4
3	Phenylacetic acid	Cefixime Trihydrate	1249.80	37.5
		7-AVNA	102.00	3.1
4	Sodium Salts as Recovered By-product (Sodium Bromide+ Sodium Chloride)	Cefixime Trihydrate	1899.07	57.0
		7-AVNA	154.99	4.6
5	Sodium Bromide	Cefuroxime Axetil	441.51	13.2
		Cefdinir Monohydrate	200.20	6.0
6	Sodium Sulfite	Cefixime Trihydrate	4166.00	125.0
7	Triphenylphosphine Oxide	Cefixime Trihydrate	3020.35	90.6
		Cefdinir Monohydrate	444.73	13.3
		Cefprozil Monohydrate	173.16	5.2
		Cefditoren Pivoxil	47.19	1.4
		Ceftazidime Pentahydrate	11.62	0.3

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		7-AVNA	246.50	7.4
		MEAT (Thio Ester)	166.65	5.0
		7-APCA	147.00	4.4
		7-Amino3-thiazole cephalosporanic acid (7-ATCA)	95.81	2.9
8	HCl (12%)	Cefixime Trihydrate	7457.14	223.7

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1 x 30 TPH 1 x 20TPH 1 x 10 TPH (standby) 1 x 4 TPH (standby)	55 m 45 m 30 m 30 m	ESP ESP Multicyclone & bag filter Multicyclone & bag filter
2	Thermic fluid heater 1 x 15 Lakh K.cal/hr (coal fired)	30 m	
3	DG Sets: Existing: 5 x 1010 kVA 1 x 320 KVA Proposed; 1 x 1010 kVA	Adequate height	Acoustic enclosure

The **process emissions** containing Hydrogen Chloride & Hydrogen Fluoride 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 diffused with Flame Arrestor.

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	262	-	262
2	Washings	30	-	30
3	QC&R&D	5	-	5
4	Scrubber	10	-	10
5	Boiler Feed	240	-	240
6	Cooling Tower	52	398	450
7	Domestic	55	-	55
8	Gardening	145	-	145
	Total	799	398	1197

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	284	-	284	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	-	30	30	
3	QCand R&D Lab	-	5	5	
4	Boiler blow down	-	40	40	
5	Cooling tower bleed of	-	38	38	
6	Scrubber	10	-	10	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
7	Domestic	-	44	44	
Total :		294	157	451	

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Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	19.95 TPD	Sent to cement plants for co-incineration/TSDF
2	Spent Carbon	1.88 TPD	
3	Distillation Bottom Residue	0.7 TPD	
4	Evaporation Salts	31.4 TPD	Sent to TSDF
5	ETP Sludge	1.3 TPD	
6	Evaporation salt (Non-process)	3 TPD	
7	Boiler Ash	75 TPD	Sent to brick manufacturers
8	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums c) Fibre drums and its rings d) MS Tins	500No. s/ month 1400 Nos/month 13500 kg/month 350 Nos/month	Disposed to TSPCB Authorized agencies after complete detoxification
9	PP Bags	6000 kg/month	
10	Spent Mixed solvents	72 KLD	
11	Waste oils & Grease	20Kl/year	
12	Used Lead acid Batteries	100No.s/year	Sent to suppliers on buy back basis
13	Misc. Waste (spill control waste)	Lumpsum	TSDF
14	Rejects	Lumpsum	
15	E- waste	Lumpsum	Authorized re-processor or TSDF
16	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
17	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
18	PVC Scrap	1000 kg/month	Disposed to SPCB Authorized agencies after complete detoxification
19	Used Aluminium cable scrap	500 kg/month	
20	Carton box scrap	1800 kg/month	

The SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

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

Members of Sub-Committee:

1. Sri Venkateshwar
2. Sri Manjuri
Kishora Rao.

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Agenda Item No. 02	M/s. AVR Organics Private Limited, Sy. No. 11, 12, 13, 14, 15 of Yawapur (V) & Sy.No. 233, 233 E2, 261, 261AAE, 262, 262 AAE, 267, 267A2, 267E, 276, 276AA, 276 E, 276/A/1, 278, 279 AA, 280, 280A, 281, 281AA, 281 VU, 285, 285E, 286, 287, 287A1, 288, 288A, 289, 290, 290/VU, 320A, 291 & 291/A, Maddikunta (V), Sadasivapet (M), Sangareddy District - Environmental Clearance (Expansion) – Reg.
Proposal No.	SIA/TG/IND2/157986/2020 (EC)

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

The SEAC noted that the industry was established in the year 1995 and obtained CFE (NOC) from APPCB on 02.01.1995. The industry obtained EC on 09.01.2019 from the MoE&F, GoI to manufacture APIs.

The industry obtained CFE (Expansion) on 26.09.2019 from TSPCB.

The industry obtained latest CFO on 18.01.2018 from TSPCB with validity period upto 30.11.2022.

The industry submitted Self certified compliance report on EC conditions.

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 42.09 Ha, out of which Green area is 13.9 Ha (33%).

Nearest human habitation is Maddikunta(V) @ 1.6km; Nearest water body is Water body near mahaboob pasha darga @ 1.7km from the industry.

Project Cost for proposed expansion is Rs. 295.1 Crores (including existing Rs. 42.1 Crores and investment proposed during EC expansion in 2017, Rs. 250 crores). Budget for Environmental protection towards Capital Cost is Rs. 2765Lakhs and Recurring Cost is Rs. 2392Lakhs/annum. Budget for CER is Rs. 3 lakhs in first 5 years and 1% of Rs. 250 crores is being invested as per EC-2019.

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

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Abacavir Sulfate	33.3	1
2	Aceclofenac	166.7	5
3	Albendazole	100	3
4	Amlodipine Besylate	166.7	5
5	Atazanavir Sulphate	66.7	2
6	Azacitidine	3.3	0.1
7	Bimatoprost	6.7	0.2
8	Bortezomib	0.8	0.02
9	Bupropion Hydrochloride	16.7	0.5
10	Capecitabine	66.7	2
11	Carboplatin	0.7	0.02

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S.No	Name of Product	Capacity	
		Kg/day	TPM
12	Ciprofloxacin Hydrochloride	166.7	5
13	Cisplatin	0.7	0.02
14	Citalopram Hydrogen Bromide	100	3
15	Clopedegral Bisulphate	166.7	5
16	Darunavir	100	3
17	Dexrazoxane	0.8	0.02
18	Diclofenac Sodium	33.3	1
19	Docetaxel	0.8	0.02
20	Doletagravir	666.7	20
21	Domepridone	166.7	5
22	Efavirenz	166.7	5
23	Emtricitabine	66.7	2
24	Erlotinib	16.7	0.50
25	Escitalopram Oxalate	100	3
26	Felbamate	16.7	0.50
27	Flucanazole	166.7	5
28	Folic Acid	166.7	5
29	Fosampanavir	333.3	10
30	Gabapentain	333.3	10
31	Gefitinib	16.7	0.5
32	Gemcitabine Hydrochloride	3.3	0.1
33	Imatinib Mesylate	66.7	2
34	Irbesartan	66.7	2
35	Irinotecan Hydrochloride	1.7	0.05
36	Lamivudine	66.7	2
37	Latanoprost	6.7	0.2
38	Lenalidomide	0.8	0.02
39	Levocetirizine HCl	166.7	5
40	Levofloxacin Hemihydrate	100.0	3
41	Lopinavir	6.7	0.20
42	Lopiramide	3.3	0.10
43	Loratidine	66.7	2
44	Losartan Potassium	166.7	5
45	Mefenamic Acid	166.7	5
46	Montelukast Sodium	33.3	1
47	Moxifloxacin Hydrochloride	66.7	2
48	Naproxen	33.3	1
49	Naratriptan	100	3
50	Nevirapine	100	3
51	Norfloxacin	100	3
52	Oseltamavir Phosphate	33.3	1
53	Oxaliplatin	0.7	0.02
54	Pantoprazole Sodium Sesquihydrate	166.7	5
55	Pemetrexed	0.8	0.02
56	Phenylepherine Hydrochloride	16.7	0.50
57	Pregablin	1000	30
58	Raltegravir	33.3	1
59	Rilpivirine Hydrochloride	166.7	5
60	Ritonavir	33.3	1
61	Rosuvastatin Calcium	33.3	1
62	Saquunair Mesylate	10	0.3
63	Sildenafil Citrate	333.3	10
64	Sunitinib	3.3	0.1
65	Telmisatran	166.7	5
66	Temozolamide	1.7	0.05
67	Tenofovir Diisoproxil Fumarate	233.3	

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S.No	Name of Product	Capacity	
		Kg/day	TPM
68	Thalidomide	3.3	0.1
69	Tramadol Hydrochloride	333.3	10
70	Travoprost	6.7	0.2
71	Valgancyclovir	166.7	5
72	Valsartan	100	3
73	Zidovudine	10	0.3
Regular Products			
74	Ibuprofen	10000	300
75	Sodium Monochloro acetate	5000	150
76	Monochloro acetic Acid	10000	300
Total Production capacity of 3 Regular products and 16 products on campaign basis from 73 products. i.e. total 19 products from total 76 products		29733	892
R & D products		66.7	2
Total Production capacity of 3 Regular products and 16 products on campaign basis from 73 products. i.e. 19 products from total 76 products + R&D products		29799.7	894

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	Tributyl methyl Stannane +Tributyltin Chloride	Valsartan (Stage-4)	78.85	2.37
2	Spent Acetic acid	Amlodipine Besylate(Stage-4)	1577.89	47.34
3	4-Nitrophenol	Ritonavir (Stage-3 & Stage-6)	23.42	0.70
4	Tert-Butyl (fluoro) dimethylsilane	Rosuvastatin Calcium (Stage-8)	12.75	0.38
5	Piperazine Hydrochloride	Ciprofloxacin Hydrochloride Monohydrate	72.09	2.16
6	Platinum	Cisplatin	18.22	0.55
7	Silver Iodide + Silver Nitrate		1.8	0.05
8	Recovery of Platinum	Carboplatin	18.76	0.56
9	Silver		3.21	0.10
10	NMBA Hydrobromide	Phenylephrine Hydrochloride	23.97	0.72
11	Sodium Bromide Solution		61.17	1.84
12	Hydrochloric Acid (33%)	Monochloro acetic Acid	13236	397.08

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1x 3 TPH EC-2019 Permitted: 1x10 TPH 2x 6TPH Proposed: 1x5 TPH	30 m 40 m 40 m 30 m	Multicyclone & bag filter Multicyclone & bag filter Multicyclone & bag filter Multicyclone & bag filter
2	Thermic fluid heater 1 x 4 Lakh K.cal/hr (coal fired) 2 x 2 lakh Kcal;/hr Diesel fired	30 m 30 m	
3	DG Sets: Existing: 1x 125 kVA EC-2019 Permitted: 2 x 1000 KVA 2 x 500 KVA	Adequate height	Acoustic enclosure

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The **process emissions** containing Hydrogen Chloride, Sulphur dioxide, Nitrogen dioxide, Ammonia, Methylamine, Methyl Chloride, Hydrogen Bromide, Chlorine & Hydrogen Fluoride 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, n-butane are diffused with Flame Arrestor.

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	314.3	-	314.3
2	Washings	40	-	40
3	QC & R&D	10	-	10
4	Scrubber	10	-	10
5	Boiler Feed	15	129	144
6	Cooling Tower	-	300	300
7	Domestic	35	40 (fresh water RO rejects for flushing)	75
8	Gardening	175	-	175
	Total	599.3	469	1068.3

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	317.9	-	317.9	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	-	40	40	
3	QC and R&D Lab	-	10	10	
4	Boiler blow down	-	24	24	
5	Cooling tower bleed of	-	25	25	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	Scrubber	10	-	10	
7	Domestic	-	60	60	
Total :		327.9	159	486.9	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	22.14 TPD	Sent to cement plants for co-incineration/TSDF
2	Spent Carbon	1.09 TPD	
3	Distillation Bottom Residue	4 TPD	
4	Evaporation Salts	61.4 TPD	Sent to TSDF
5	ETP Sludge	1.12 TPD	
6	Evaporation salt (Non-process)	2.1 TPD	
7	Boiler Ash	49 TPD	Sent to brick manufacturers
8	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums c) Fibre drums and its rings	500 No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
9	PP Bags	200kg/month	Sent to authorized agencies after detoxification
10	Spent Mixed solvents	58 KLD	Sent to SPCB Authorized agencies
11	Waste oils & Grease	5 Kl/year	Sent to authorized agencies
12	Used Lead acid Batteries	50 No.s/year	Sent to suppliers on buy back basis
13	Catalyst	1 TPD	Sold to suppliers on buy-back basis.
14	Misc. Waste	12 TPA	TSDF
15	(spill control waste)		

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S	Description	Quantity	Mode of Disposal
16	Used Insulation waste, PVC Scrap, HDPE & PP scrap, Paper waste, Used Thermocouple waste, Glass scrap, Iron scrap, SS scrap, Aluminium & other Metal Scrap, Cotton waste (used aprons/ uniforms, etc.), Packing wood etc.,	0.5 TPD	Sent to outside agencies for recycling
17	Kitchen waste	0.2 TPD	Composted on-site and reused for greenbelt
18	Category: Yellow (h) Decontaminated media from Microbiology Lab	20 kg/day	Pre-treat to sterilize with non-chlorinated chemicals on-site as per BMW Rules and sent to PCB authorized agency for incineration.
19	Category: White Waste sharps from OHC (Needles, syringes, scalpels, blades, glass, etc.)	0.1 kg/day	Autoclaving and sent to PCB authorized agency.
20	Category: Yellow (c) Soiled Waste from OHC (cotton, dressings, soiled plaster casts, other material)	0.3 kg/day	Sent to PCB authorized agency for incineration.
21	E – waste	10 kg/day	Sent to authorized E-waste collection centres/ registered dismantlers / authorized recyclers/ return back to manufacturers.

The SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

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

Members of Sub-Committee;

1. Sri ~~Mantri~~ Mantri
2. Sri ~~Venkateshwar~~ Venkateshwar
Krishna Reddy.

Agenda Item No. 03	M/s. Optimus Life Science Private Limited, Sy.No. 1066, 1049, 1050, 1061, 1063 & 1064, Chinnakondur (V), Choutuppall (M), Yadadri-Bhuvanagiri District - Environmental Clearance – Reg.
Proposal No.	SIA/TG/IND2/167420/2020 (EC)

The representative of the project proponent Sri A. Sadasiva Reddy & Ms. Bajee Sada; and Sri Kushal Bodhankar of M/s. KKB Envirocare Consultants Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

Ch. Reddy
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 proposed project as follows:

Total area is 18.89 Ha, out of which Green area is 6.61 Ha (35%).

Nearest human habitation is Masidgudem(V) @ 0.5km; Nearest water body is Pond near Peddakondur @ 1.32 km; Nearest RF is near Turpugudem@ 4.25 km from the industry.

Project Cost is Rs. 130 Crores. Budget for Environmental protection towards Capital Cost is Rs. 1310Lakhs and Recurring Cost is Rs. 1435Lakhs/annum. Budget for CER is Rs. 195 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	Ledipasvir	150	4.50
2	Rosuvastatin Calcium	150	4.50
3	Rifaximin	400	12.00
4	Chenodeoxy cholic acid	150	4.50
5	Cinacalcet Hydrochloride	50	1.50
6	Dexlansoprazole	100	3.00
7	Clopidogrel Bisulfate	150	4.50
8	Dabigatran Etxilate Mesylate	150	4.50
9	Daclatasvir Dihydrochloride	10	0.30
10	Dapagliflozin	200	6.00
11	Dapoxetine Hydrochloride	75	2.25
12	Darunavir Ethanolate	65	1.95
13	Deferasirox	50	1.50
14	D(+)-Pencillamine	50	1.50
15	Dimethyl Fumarate	65	1.95
16	Dithranol	50	1.50
17	Dorzolamide Hydrochloride	100	3.00
18	Duloxetine Hydrochloride	100	3.00
19	Eletriptan Hydrobromide	50	1.50
20	Entecavir	50	1.50
21	Febuxostat	100	3.00
22	Fenticonazole Nitrate	100	3.00
23	Flurbiprofen	100	3.00
24	Ivabradine Hydrochloride	126.67	3.80
25	Lenalidomide	30	0.90
26	Perampanel	30	0.90
27	Pirfenidone	100	3.00
28	Pomalidomide	50	1.50
29	Prasugrel Hydrochloride	50	1.50
30	Pregabalin	400	12.00
31	Rasagiline Mesylate	50	1.50
32	Rivaroxaban	50	1.50
33	Rivastigmine	50	1.50
34	Sertaconazole Nitrate	50	1.50
35	Sofosbuvir	400	12.00

Ch. Arora

CHAIRMAN, SEAC

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S.No	Name of Product	Capacity	
		Kg/day	TPM
36	Solifenacin Succinate	50	1.50
37	Teriflunomide	30	0.90
38	Linezolid	1000.	30.00
39	Tioconazole	300	9.00
40	Lomoxicam	100	3.00
41	Luliconazole	200	6.00
42	Lurasidone Hydrochloride	50	1.50
43	Mebendazole	100	3.00
44	Modafinil	100	3.00
45	Apixaban	150	4.50
46	Aprepitant	75	2.25
47	Atazanavir Sulfate	150	4.50
48	Abiraterone Acetate	50	1.50
49	Vildagliptin	400	12.00
50	Betahistine	100	3.00
51	Biperiden Hydrochloride	50	1.50
52	Cabazitaxel	3.33	0.10
53	Montelukast Sodium	300	9.00
54	3-Chloro-5,6-dihydro-1-(4-nitrophenyl)-2(1H)-pyridinone	200	6.00
55	N-Methoxycarbonyl-L-tert-leucine	100	3.00
56	(2S,3S)-1,2-Epoxy-3-(Boc-amino)-4-phenylbutane	250	7.50
57	4-[(2-Cyanopropan-2-yl)amino]-2-fluoro-N-methylbenzamide	350	10.50
58	4-Isothiocyano-2-(trifluoromethyl) benzonitrile	350	10.50
59	n-Propylsulfamide	350	10.50
60	5-Bromo-2-chloropyrimidine	350	10.50
61	N-(4-Cyanophenyl)-glycine	400	12.00
62	4-(4-Aminophenyl)morpholin-3-one	300	9.00
63	(R)-2-[2-(4-Aminophenyl)-ethylamino]-1-phenylethanol Hydrochloride	200	6.00
64	Phenyl Vinyl Sulfone	400	12.00
65	4,6-Dichloro-5-amino-2-(propylthio)pyrimidine	350	10.50
66	2-(2-Ethoxyphenyl)-5-methyl-7-propylimidazole [5,1 f] [1,2,4]triazin-4-(3H)-one	300	9.00
67	3'-Amino-2'-hydroxy-[1,1'-biphenyl]-3-carboxylic acid	350	10.50
68	2-(3,4-Dimethylphenyl)-1,2-dihydro-5-methyl-3H-pyrazol-3-one	350	10.50
69	Phenylamidol Hydrochloride	100	3.00
Any 8 campaign products out of total 69 products		3750	112.5
R&D Products		5	0.15
Any 8 campaign products out of total 69 products and R&D Products		3755	112.65

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height (mt)	APCE
1	<u>Coal fired Boiler:</u>		
	1x 4 TPH	30 m	Multicyclone & bag filter
	1 x 8 TPH	30 m	Multicyclone & bag filter
2	Thermic fluid heater 1 x 1 Lakh K.cal/hr (Diesel fired)	30 m	
3	<u>DG Sets:</u> 2 x 1000 KVA	Adequate height	Acoustic enclosure

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

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	205.2	-	205.2
2	Washings	30	-	30
3	QC & R& D	5	-	5
4	Scrubber	10	-	10
5	Boiler Feed	32	26	58
6	Cooling Tower	-	240	240
7	Domestic	22.5	-	22.5
8	Gardening	80	-	80
	Total	384.7	266	650.7

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	208.4	-	208.4	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	-	30	30	
3	R&D Lab	-	5	5	
4	Boiler blow down	-	9.6	9.6	
5	Cooling tower bleed of	-	20	20	
6	Scrubber	10	-	10	
7	Domestic	-	18	18	
Total :		218.4	82.6	301	

Details of Solid Waste:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	8.5TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd
2	Spent Carbon	0.085 TPD	
3	Distillation Bottom Residue	2 TPD	
4	Evaporation Salts	16.6TPD	Sent to SPCB Authorized Cement industries or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
5	ETP Sludge	0.7TPD	
6	Evaporation salt (Non-process)	1.62 TPD	
7	Boiler Ash	19.2TPD	Sent to brick manufacturers
8	Detoxified Container / Liners drums, HDPE Carboys, Fibre drums	1500No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
9	PP Bags	1600kg/month	Sent to authorized agencies after detoxification
10	Spent Mixed solvents	23KLD	Sent to SPCB Authorized agencies
11	Waste oils & Grease	3Kl/year	Sent to authorized agencies
12	Used Lead acid Batteries	50No.s/year	Sent to suppliers on buy back basis
13	Spent Catalyst	2.02 TPD	Sold to suppliers on buy-back basis.
14	Misc. Waste (spill control waste)	Lumpsum	TSDF
15		Lumpsum	
16		Lumpsum	
17	E- waste	Lumpsum	Authorized re-processor or TSDF
18	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors

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19	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
20	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the site and submit present status of the project, impacts of the proposed project on nearest human habitation, waterbody, RF & surrounding environment, adequacy of EMP measures proposed, etc.,

Members of Sub-Committee:

1. *Suresh*
2. *Vijaya Laxmi Krishna Reddy*

Agenda Item No. 04	M/s. Harika Drugs Private Limited, Unit-II, Sy.No.382A1/2, 382/E, 382/EE/1, 382UU3, 390A, 390/A/1/2 and 392/AA2, Begumpet (V), Raipole(M), Siddipet District - Environmental Clearance – Reg.
Proposal No.	SIA/TG/IND2/166394/2020 (EC)

The representative of the project proponent Sri V. Amarnath; and Sri Kushal Bodhankar of M/s. KKB Envirocare Consultants 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 2.53 Ha, out of which Green area is 0.917 Ha (36.26%).

Nearest human habitation is Begumpet(V) @ 0.97km; Nearest water body is Pond near Narsampally @ 1.04 km; Nearest RF is Malkapur RF @ 1.28 km from the industry.

Project Cost is Rs. 31Crores. Budget for Environmental protection towards Capital Cost is Rs. 420 Lakhs and Recurring Cost is Rs. 1316Lakhs/annum. Budget for CER is Rs. 46.5 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	N-Amino-3-azabicyclo[3.3.0]octane Hydrochloride	166.67	5.00
2	Ketoprofen	166.67	5.00
3	Vildagliptin	500	15.00
4	Dabigatran Etxilate Mesylate	100	3.00
5	Dexamethasone Disodium Phosphate	66.67	2.00
6	Levetiracetam	400	12.00
7	Etodolac	100	3.00
8	Hydroxychloroquine Sulfate	166.67	5.00
9	Favipiravir	266.67	8.00
10	Azithromycin	400	12.00
11	Empagliflozin	166.67	5.00
12	Phenylephrine Hydrochloride	666.67	20.00

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S.No	Name of Product	Capacity	
		Kg/day	TPM
13	Sitagliptin Phosphate	100	3.00
14	Curcumin	200	6.00
15	Canagliflozin	100	3.00
16	Saxagliptin Monohydrate	100	3.00
17	Linagliptin	100	3.00
18	Lornoxicam	500	15.00
19	Alogliptin Benzoate	66.67	2.00
20	Linezolid	333.33	10.00
21	Dapagliflozin	66.67	2.00
22	Dextromethorphan Hydrobromide	266.67	8.00
23	Promethazine Hydrochloride	233.33	7.00
Any 8 campaign products out of total 23 products		3333.33	100.00
R&D Products		5	0.15
Any 8 campaign products out of total 23 products and R&D Products		3338.33	100.15

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	NMBA Hydrobromide	Phenylephrine Hydrochloride	940.5	28.22
2	Sodium Bromide Solution		2400	72.00

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height (mt)	APCE
1	<u>Coal fired Boiler:</u> 1 x 4 TPH 1 x 6 TPH	30 m 30 m	Multicyclone & bag filter Multicyclone & bag filter
2	Thermic fluid heater 1 x 6 Lakh K.cal/hr (Coal fired) 1x 2 lakh Kcal/hr (Diesel fired- Standby)	30 m 30 m	
3	<u>DG Sets:</u> 2 x 1000 KVA 1x 1000 KVA (standby)	Adequate height	Acoustic enclosure

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

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	136	-	136
2	Washings	30	-	30
3	QC & R& D	5	-	5
4	Scrubber	10	-	10
5	Boiler Feed	41	7	48
6	Cooling Tower	-	180	180
7	Domestic	5	-	5
8	Gardening	12	-	12
	Total	239	187	426

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Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	139	-	139	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	-	30	30	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	8	8	
5	Cooling tower bleed of	-	15	15	
6	Scrubber	10	-	10	
7	Domestic	-	4	4	
Total :		149	62	211	

Details of Solid Waste:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	6.96TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIIL Infrastructures Pvt. Ltd.
2	Spent Carbon	0.55 TPD	
3	Distillation Bottom Residue	2 TPD	
4	Evaporation Salts	9.92TPD	Sent to TSDF
5	ETP Sludge	0.45TPD	
6	Evaporation salt (Non-process)	1.51 TPD	
7	Boiler Ash	17.2TPD	Sent to brick manufacturers
8	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums c) Fibre drums and its rings	1000No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
9	PP Bags	1000kg/month	Sent to authorized agencies after detoxification
10	Spent Mixed solvents	28KLD	Sent to SPCB Authorized agencies
11	Waste oils & Grease	3Kl/year	Sent to authorized agencies
12	Used Lead acid Batteries	50No.s/year	Sent to suppliers on buy back basis
13	Catalyst	0.15 TPD	Sold to suppliers on buy-back basis.
14	Misc. Waste (spill control waste)	Lumpsum	TSDF
15	Rejects	Lumpsum	
16	E- waste	Lumpsum	Authorized re-processor or TSDF
17	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
18	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
19	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the site and submit present status of the project, impacts of the proposed project on nearest human habitation, waterbody, RF & surrounding environment, adequacy of EMP measures proposed, etc.,

Members of Sub-Committee:

1. *Vijaya Laxmi*
2. *Suresh Krishna Reddy.*

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Agenda Item No. 05	M/s. Vision Drugs Private Limited, Sy. No. 733, Mandollagudem (V), Choutuppal (M), Yadadri Bhuvanagiri District - Environmental Clearance (Expansion) – Reg.
Proposal No.	SIA/TG/IND2/156789/2020 (EC)

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

The SEAC noted that the industry established in February, 2005 to manufacture Bulk Drugs (API) Intermediates vide CFE dt. 28.2.2005. Subsequently, industry obtained CFE (Expansion) on 08.09.2006.

The industry obtained EC on 07.08.2007 from the MoE&F, GoI for the existing unit.

The industry obtained CFE on 08.09.2006, CFE (CPM) dt. 26.02.2018 and CFE for installing additional boiler issued on 31.08.2019.

Latest CFO issued on 24.01.2020 from TSPCB prior to obtaining EC and the unit operating.

The industry submitted **self certified compliance report** on EC condtions.

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 4.0872 Ha, out of which Green area is 1.41 Ha (34.48%).

Nearest human habitation is Lingareddygudem(V) @ 1.4 km; Nearest water body is Bairavanicheruvu@ 5.4km; Nearest RF is Chinnakondur@ 0.5 km from the industry.

Project Cost for proposed expansion is Rs. 48.22 Crores (including existing Rs. 33.47 Crores). Budget for Environmental protection towards Capital Cost is Rs. 989 Lakhs (including existing Rs. 344 lakhs) and Recurring Cost is Rs. 1450 Lakhs/annum. Budget for CER is Rs. 14.75 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	Luliconazole	500	15.00
2	Dexlansoprazole	333.33	10.00
3	Ravuconazole	666.67	20.00
4	Avibactam Sodium	1066.67	32.00
5	Rifaximin	666.67	20.00
6	Sertaconazole Nitrate	333.33	10.00
7	Dithranol	500	15.00
8	Lamotrigine	500	15.00
9	Piroctone Olamine (Dandoff)	1666.67	50.00
10	4-Bromo butyl-3,4-dimethoxy benzoate (MEBR)	400	12.00
11	N-Ethyl-[1-(4-methoxyphenyl)-propan-2-amine (MPAP)	200	6.00

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S.No	Name of Product	Capacity	
		Kg/day	TPM
12	2-(3,4-Dimethoxyphenyl)-3-methylbutanenitrile	266.67	8.00
13	2-(3,4-dimethoxyphenyl)-N-methylethanamine	266.67	8.00
14	Ethyl Methoxy Crylene (EMC)	133.33	4.00
15	6-Fluoro-3-(4-piperidinyl)-1,2-benzisoxazole Hydrochloride	100	3.00
16	3-(2-Chloroethyl)-2-methyl-6,7,8,9-tetrahydro-4H-pyrido [1,2-a] pyrimidine-4-one Hydrochloride	100	3.00
17	Mesalamine	100	3.00
18	Celecoxib	333.33	10.00
19	Rebamipide	133.33	4.00
20	Venlafaxine Hydrochloride	266.67	8.00
21	Olanzapine	333.33	10.00
22	Raloxifene Hydrochloride	266.67	8.00
23	2,6-Dihydroxy Acetophenone	83.33	2.50
24	3,4-Diethoxyphenylethylamine	133.33	4.00
25	3,4-Dimethoxy phenyl acetonitrile (Homo veratronicitrile)	300	9.00
26	Pinaverium Bromide	133.33	4.00
27	Phthalimido Amlodipine	133.33	4.00
28	Itopride Hydrochloride	69.47	2.08
29	Minoxidil	1333.33	40.00
30	Doxylamine Succinate	33.33	1.00
31	Diacerein	166.67	5.00
32	Linezolid	69.47	2.08
Total 12 Products out of total 32 products		8300	249
R&D products		5	0.15
Total Products 12 out of 32 products and R&D products		8305	249.15

By-products:

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	Spent HCl	<ul style="list-style-type: none"> • N-Ethyl-[1-(4-methoxyphenyl)-propan-2-amine (MPAP)] • Celecoxib • 3,4-Diethoxyphenylethylamine • 3,4-Dimethoxy phenyl acetonitrile (Homo veratronicitrile) 	7.1	0.213
2	Spent H ₂ SO ₄	3,4-Diethoxyphenylethylamine	2.8	0.084

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Existing: 1x 4 TPH (standby) Proposed: 1x 7 TPH 1x 10 TPH 1x 10 TPH (standby)	30 m (combined stack) 32 (combined stack)	Multicyclone Separator & bag filter Multicyclone Separator & bag filter
2	Thermic fluid heater 2 x 2 lakh Kcal/hr (Diesel fired)	30 m (combined)	

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	3x 4 lakh Kcal/hr (Diesel fired)	stack) 30 m (combined stack)	
3	DG Sets: Proposed : 1x 1500 KVA 2 x 1010 KVA 4 x 500 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, Nitrogen & Oxygen gas are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen is diffused with Flame Arrestor.

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	153.5	-	153.5
2	Washings	30	-	30
3	R& D	5	-	5
4	Scrubber	10	-	10
5	Boiler Feed	82	-	82
6	Cooling Tower	36	234	270
7	Domestic	30	-	30
8	Gardening	17.5	-	17.5
	Total	364	234	598

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	159	-	159	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	-	30	30	
3	R&D Lab	-	5	5	
4	Boiler blow down	-	14	14	
5	Cooling tower bleed of	-	23	23	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	Scrubber	10	-	10	
7	Domestic	-	24	24	
Total :		169	96	265	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	8.73TPD	Sent to cement plants for co-incineration/TSD/GEIPL
2	Spent Carbon	0.32 TPD	
3	Distillation Bottom Residue	10 TPD	
4	Evaporation Salts	19.36TPD	Sent to TSD/
5	ETP Sludge	1.5TPD	
6	Evaporation salt (Non-process)	1.7 TPD	Sent to brick manufacturers
7	Boiler Ash	27.2TPD	
8	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums c) Fibre drums and its rings d) MS Tins	300No. s/ month 500 (No's/month) 1000 kg/month 200 Nos./month	Disposed to TSPCB Authorized agencies after complete detoxification

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9	PP Bags	500 (Kg/month)	Sent to authorized agencies after detoxification
10	Spent Mixed solvents	29 KLD	Sent to SPCB Authorized agencies
11	Waste oils & Grease	3Kl/year	Sent to authorized agencies
12	Used Lead acid Batteries	50No.s/year	Sent to suppliers on buy back basis
13	Catalyst	0.49 TPD	Sold to suppliers on buy-back basis.
14	PVC Scrap	500 kg/month	Disposed to SPCB Authorized agencies after complete detoxification
15	Used Aluminium cable scrap	500 kg/month	
16	Carton box scrap	1000kg/month	
17	Insulation waste	2000kg/month	Sent to SPCB Authorized agencies
18	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator

During presentation, the SEAC observed from the google map & layout plan that a Nala/Canal flows across the site. Hence, after detailed discussions, the SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

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

Members of Sub-Committee:

1. Sri *Suresh*
2. Sri *Vijaya Laxmi*
Krishna Reddy.

Agenda Item No. 06	M/s. Maithri Laboratories Private Limited, Unit-II, Sy.No.282AA4, 282 A3, 283 RU, 284/AA, 284/A2, 281/U1, 282/A1/2, 283/AA, 284/A6, 282/A, 284/AA2/2/1, 282/A3, 282/E1, 283/EE, 284/E3 and 284/AA1, Swamulavarilingotam (V), Choutuppall (M), Yadadri Bhuvanagiri District - Environmental Clearance (Expansion) – Reg.
Proposal No.	SIA/TG/IND2/160302/2020 (EC)

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

The SEAC noted that the industry was established in the year 2005 with CFE order dt.02.008.2005.

Latest CFO issued on 23.04.2016 from TSPCB & CFO (Amendment) dt. 13.03.2018 valid upto 31.07.2020.

The industry submitted Self certified compliance report on CFO condntions.

Ch. Reddy
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 5.06 Ha, out of which Green area is 1.67 Ha (33.09%).

Nearest human habitation is Udayagiri colony (Padma Nagar) @ 0.37 km; Nearest water body is Ramasamudramcheruvu@ 4.3km; Nearest RF is near Turpugudem@ 1.1 km from the industry.

Project Cost for proposed expansion is Rs. 98.76Crores including existing Rs. 8.76Crores. Budget for Environmental protection towards Capital Cost is Rs. 1000Lakhsand Recurring Cost is Rs. 1052Lakhs/annum. Budget for CER is Rs. 90 lakhs in first 5 years.

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

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Atorvastatin Calcium	666.67	20.00
2	Bilastine	66.67	2.00
3	Lacosamide	500	15.00
4	Febuxostat	66.67	2.00
5	Losartan Potassium	333.33	10.00
6	Oseltamavir Phosphate	133.33	4.00
7	Pantaprazole Sodium	666.67	20.00
8	Posaconazole	66.67	2.00
9	Pioglitazone HCl	66.67	2.00
10	Prazosin HCl	33.33	1.00
11	Ramipril	33.33	1.00
12	Sparfloxacin	100	3.00
13	Sildenafil Citrate	666.67	20.00
14	Sumatriptan Succinate	33.33	1.00
15	Tadalafil	133.33	4.00
16	Tapendatol tartrate	200	6.00
17	Ticagrelor	66.67	2.00
18	Topiramate	133.33	4.00
19	Vigabatrin	133.33	4.00
All Products at a time		4100	123
R&D products		5	0.15
All Products at a time along with R & D Products		4105	123.15

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

S.No.	Utility	Stack Height (mt)	APCE
1	<u>Coal fired Boiler:</u> Existing: 1x1 TPH (standby) Proposed: 1x 10 TPH 1x 5 TPH 1x 2TPH	30 m 32 m 30m 30 m	Multicyclone Separator & bag filter Multicyclone Separator & bag filter Multicyclone Separator & bag filter Multicyclone Separator & bag filter

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2	DG Sets: Proposed : 1x 1500 KVA 1x 1000 KVA 1x 250 KVA	Adequate height	Acoustic enclosure
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The **process emissions** containing Hydrogen Chloride, Ammonia & Sulphur dioxide are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Nitrogengasare to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen is diffused with Flame Arrestor.

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	-	20
3	QC & R& D	5	-	5
4	Scrubber	10	-	10
5	Boiler Feed	82	-	82
6	Cooling Tower	122	178	300
7	Domestic	24	-	24
8	Gardening	21	-	21
	Total	389.4	178	567.4

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	108.7	-	108.7	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	-	20	20	
3	R&D Lab	-	5	5	
4	Boiler blow down	-	13.6	13.6	
5	Cooling tower bleed of	-	25	25	
6	Scrubber	10	-	10	
7	Domestic	-	19.3	19.3	
Total :		118.7	82.9	201.6	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	5.88TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/ Authorized AFRF
2	Spent Carbon	0.16 TPD	
3	Distillation Bottom Residue	0.2 TPD	
4	Evaporation Salts (Process)	7.68TPD	Sent to SPCB Authorized Cement industries or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd/ Authorized AFRF
5	ETP Sludge	0.46TPD	
6	Evaporation salt (Non-process)	1.62 TPD	
7	Boiler Ash	25.6 TPD	Sent to brick manufacturers
8	a) Detoxified Container Liners drums b) HDPE Carboys/ Drums c) Fibre drums and its rings	4000No. s/ month 500 (No's/month) 800 kg/month	Disposed to TSPCB Authorized agencies after complete detoxification
9	PP Bags	1000 (Kg/month)	Sent to authorized agencies after detoxification
10	Spent Mixed solvents	20KLD	Sent to SPCB Authorized agencies
11	Waste oils & Grease	2Kl/year	Sent to authorized agencies
12	Used Lead acid Batteries	50No.s/year	Sent to suppliers on buy back basis

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13	Spent Catalyst	0.17 TPD	Sold to suppliers on buy-back basis.
14	Misc. Waste (spill control waste)	Lumpsum	TSD/AFRF/Cement industry
15	Rejects	Lumpsum	
16	E- waste	1 TPA	Authorized re-processor or TSD/
17	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
18	Municipal Solid Waste (Canteen waste)	40 TPA	Composted on site and reused for greenbelt
19	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
20	Non Hazardous waste – Used PPE	10 TPA	Sent to SPCB Authorized Cement industries/ Authorized AFRF industries/GEPIL TSD/
21	Insulation/Glass wool waste	10 TPA	
22	Waste MS/ Aluminium Plastic scrap	50 TPA	Scrap vendors
23	Paper waste & Misc.	0.5 TPD	Scrap vendors

The SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

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

Members of Sub-Committee:

1. Sri *Suresh*
2. Sri *Vijaya Laxmi*
Krishna Reddy

Agenda Item No. 07	M/s. MSN Organics Private Limited, Sy.Nos. 224/A, 224/AA, 224/E, 224/EE, Bibinagar Village & Mandal, Yadadri - Bhuvanagiri-District - Environmental Clearance (Expansion) – Reg.
Proposal No.	SIA/TG/IND2/161688/2020 (EC)

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

The SEAC noted that the industry was established in the year 1987.

The industry obtained CFE (CPM) issued by TSPCB on 24.01.2018.

Latest CFO issued on 10.09.2018 from TSPCB valid upto 28.02.2023

The industry submitted Self certified compliance report on CFO conditions.

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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 5.33 Ha, out of which Green area is 1.78 Ha (33.4%).

Nearest human habitation is Bibinagar(V) @ 0.2km; Nearest water body is Bibinagar Cheruvu @ 0.79km; Nearest RF is Bibinagar RF@ 0.63km from the industry.

Project Cost for proposed expansion is Rs. 143.87Crores (including existing Rs. 43.87Crores). Budget for Environmental protection towards Capital Cost is Rs. 1387 Lakhs (including existing Rs. 387 lakhs) and Recurring Cost is Rs. 988Lakhs/annum. Budget for CER is Rs. 100 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	Tapentadol Hydrochloride	50	1.5
2	Pioglitazone Hydrochloride	50	1.5
3	Tadalafil	100	3.0
4	Topiramate	100	3.0
5	Sildenafil Citrate	300	9.0
6	Asenapine Maleate	85	2.55
7	Febuxostat	100	3.0
8	Atomoxetine Hydrochloride	13.33	0.4
9	Clopidogrel Bisulfate	666.67	20.0
10	Cinacalcet Hydrochloride	100	3.0
11	Prazosin Hydrochloride	50	1.5
12	Dimethyl Fumarate	66.67	2.0
13	Etifoxine Hydrochloride	100	3.0
14	Iloperidone	50	1.5
15	(2R,3R)-3-(3-Methoxyphenyl)-N,N,2-trimethylpentan-1-amine Hydrochloride	50	1.5
16	Perampanel	100	3
17	Rivastigmine Tartrate	50	1.5
18	Rivastigmine	100	3.0
19	N,N-Diethyl-1,1,2,3,3,3-hexafluoropropylamine (Ishikawa reagent)	100	3.0
20	Tapentadol Maleate	100	3.0
21	Tapentadol Tartrate	30	0.9
22	Ticagrelor	50	1.5
23	Parecoxib Sodium	6.67	0.20
24	Trientine Hydrochloride	6.67	0.20
25	Methyl hydrogen-17a-hydroxy-3-oxopregna-4,5(11) diene-7a,21-dicarboxylate-g-lactone	83.33	2.50
26	Methyl hydrogen-11a,17a-dihydroxy-3-oxopregne-4-ene-7a,21-dicarboxylate-g-lactone	16	0.48
27	R&D Products	5	0.15
Total 26 products production Capacity along with R&D products		2529.33	75.88

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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: 1x2 TPH Proposed: 1x3 TPH 1x 6 TPH	30 m 30 m 30m	Multicyclone Separator & bag filter Multicyclone Separator & bag filter Multicyclone Separator & bag filter
2	DG Sets: Existing: 1x250 kVA 1x500 kVA Proposed : 2 x1500 KVA	Adequate height	Acoustic enclosure

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

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	86.2	-	86.2
2	Washings	30	-	30
3	QC & R& D	5	-	5
4	Scrubber	10	-	10
5	Boiler Feed	48	5	53
6	Cooling Tower	-	180	180
7	Domestic	62.5	-	62.5
8	Gardening	22	-	22
	Total	263.7	185	448.7

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	90.3	-	90.3	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	-	30	30	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	8.8	8.8	
5	Cooling tower bleed of	-	15	15	
6	Scrubber	10	-	10	
7	Domestic	-	50	50	
Total :		100.3	108.8	209.1	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	3.01 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2	Spent Carbon	0.12 TPD	
3	Distillation Bottom Residue	0.75 TPD	
4	Evaporation Salts (Process)	7.3 TPD	Sent to SPCB Authorized Cement industries or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
5	ETP Sludge	0.48 TPD	
6	Evaporation salt (Non-process)	1.78 TPD	
7	Boiler Ash	17.6 TPD	Sent to brick manufacturers
8	a) Detoxified Container /	2000 No. s/	Disposed to TSPCB Authorized agencies

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	Liners drums, b) HDPE Carboys/ Drums c) Fibre drums and its rings	month 500 (No's/month) 800 kg/month	after complete detoxification
9	PP Bags	1000 (Kg/month)	Sent to authorized agencies after detoxification
10	Spent Mixed solvents	11.5KLD	Sent to SPCB Authorized agencies
11	Waste oils & Grease	2Kl/year	Sent to authorized agencies
12	Used Lead acid Batteries	50No.s/year	Sent to suppliers on buy back basis
13	Spent Catalyst	0.062 TPD	Sold to suppliers on buy-back basis.
14	Misc. Waste (spill control waste)	Lumpsum	TSDF/AFRF/Cement industry
15	Rejects	Lumpsum	
16	E- waste	Lumpsum	Authorized re-processor or TSDF
17	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
18	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
19	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
20	Non Hazardous waste – Used PPE	10 TPA	Sent to SPCB Authorized Cement industries/ Authorized AFRF industries/GEPIL TSDF
21	Insulation/Glass wool waste	10 TPA	
22	Waste MS/ Aluminium Plastic scrap	50 TPA	Scrap vendors
23	Paper waste & Misc.	0.5 TPD	Scrap vendors

During presentation it is observed from the google traces of a stream in open land within project site on North East direction. In this regard project proponent informed that there is no stream existing in the site, But, it is only a level / countour difference of land in that particular area.

In view of the above and after detailed discussions, the SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

- i) Project modification
- ii) Project cost
- iii) ZLD System & its adequacy
- iv) ETP modifications
- v) Products: Comparison of existing and proposed (which are going for expansion)
- vi) Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST.
- vii) Raw material: Comparison of existing and proposed (which are going for expansion)
- viii) Solid waste: Comparison of existing and proposed (which are going for expansion)
- ix) Impact on surroundings
- x) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xi) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xii) Greenbelt development
- xiii) 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.
- xiv) Existence of Stream in the site, status of NOC from I&CAD Dept., & impacts of the project on it, if any.

Members of Sub-Committee:

1. Sri *Mantri*
2. Sri *Venkateshwar*
Krishna Reddy.

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Agenda Item No. 08	M/s. MSN Life Sciences Private Limited, Unit-I, Sy.No.20/A1, 20/A2, 20/A3, 21/A, 21/AA, 22/E1, 22/E2, 22/E3 and 24/A, Mambapur (V), Gummadidala (M), Sangareddy District - Environmental Clearance (Expansion) – Reg.
Proposal No.	SIA/TG/IND2/163462/2020 (EC)

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

The SEAC noted that the industry was established in the year 2005 with CFE dt. 28.07.2005

Latest CFO issued on 21.04.2018 from TSPCB with validity upto 28.02.2023 & CFO (Amendment) dt.21.06.2018.

The industry submitted **Self certified compliance report** on CFO conditions.

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 3.31 Ha, out of which Green area is 1.104 Ha (33.33%).

Nearest human habitation is Gummadidala(V) @ 1.21km; Nearest water body is Pond near Gummadidala @ 0.2km; Adjacent to Narsapur RF Block.

Project Cost for proposed expansion is Rs. 166.11 Crores (including existing Rs. 76.11 Crores). Budget for Environmental protection towards Capital Cost is Rs. 1391 Lakhs (including existing Rs. 391 lakhs) and Recurring Cost is Rs. 1060 Lakhs/annum. Budget for CER is Rs. 90 lakhs in first 5 years.

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

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	1-(4-(2-(2,6-Dimethyl phenyl amino)-2-oxoethyl) piperazin-1-yl)-3-(2-methoxyphenoxy) propan-2-yl acetate	50	1.5
2	(3S)-Methyl-3-(amino methyl)-5-methyl hexanoate	100	3
3	Methyl 4-(4-fluoro phenyl)-6-isopropyl-2-(N-methylmethyl sulfonamido) pyrimidine-5-carboxylate	100	3
4	2-n-Butyl-3-(4-hydroxybenzoyl)-5-nitrobenzofuran	2.75	0.083
5	2-(2-(2,2,2-Trifluoroethoxy) phenoxy)ethyl methanesulfonate	5	0.15
6	2-[(1S,2S)-1-Ethyl-2-bezyloxy propyl]-2,4-dihydro-4-[4-[4-(4-hydroxyphenyl)-1-piperazinyl] phenyl]-3H-1,2,4-triazol-3-one	5.5	0.17
7	tert-Butyl (1S,3S)-1-((2S,4S)-4-isopropyl-5-oxo tetrahydrofuran-2-yl)-3-(4-methoxy-3-(3-methoxypropoxy) benzyl)-4-methylpentylcarbamate	30	0.9
8	(R)-4-(3-Isopropoxyphenyl)-1,3-dimethyl-1,2,3,6-tetrahydropyridine	0.2	0.006
9	2',3'-Di-O-acetyl-5'-deoxy-5-fluorocytidine	4.2	0.13
10	Ethyl-3-(3-amino-4-(methylamino)-N-(pyridin-2-yl)benzamido) propanoate	4.2	0.13
11	2-(4-Cyanophenylamino)acetic acid	4.2	0.13
12	2-Butyl-5-nitrobenzofuran (VDRD3)	2.75	0.083

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S.No	Name of Product	Capacity	
		Kg/day	TPM
13	6-Fluoro-3,4-dihydro-2-(S)&(R)-oxiranyl-2H-1-benzopyran	11	0.33
14	5,6,7,7a-Tetrahydro-4H-thieno[3,2-c]pyridin-2-one Hydrochloride	3.5	0.11
15	1-Methoxy-2-(oxiranylethoxy) benzene	331	9.93
16	(2,6-Dimethyl phenyl)-amino carbonylmethyl]chloride (or) 2-chloro-N-(2, 6-dimethylphenyl) acetamide	33	1.0
17	1-(3-Methoxyphenyl)ethanamine Hydrochloride	0.8	0.024
18	Methyl-(+)-(S)-(o-chlorophenyl)-6,7-dihydrothieno[3,2-c]pyridine-5(4H)-acetate camphor sulfonate	164.5	4.94
19	5-[(2R)-2-Aminopropyl]-1-[3-(benzoyloxy) propyl]-2,3-dihydro-1H-indoline-7-carbonitrile-(2R,3R)-2,3-dihydroxybutanedioate	137.5	4.13
20	Methyl-4-(4-fluorophenyl)-6-isopropyl-2-(N-methyl methylsulfonamido) pyrimidine-5-carboxylate	100	3
21	(Z)-Propyl-2-(11-(3-(dimethylamino) propylidene)-6,11-dihydrodibenzo [b,e]oxepin-2-yl) acetate	50	1.5
22	4-Chloro-6-ethyl-5-fluoropyrimidine	50	1.5
23	N-Methyl-1-naphthalene methylamine Hydrochloride	100	3
24	1-Chloro-6,6-dimethyl-2-heptene-4-yne	25	0.75
25	Dimethyl-2-propylimidazole-4,5-dicarboxylate	25	0.75
26	8-Bromo-7-(but-2-ynyl)-3-methyl-1H-purine-2,6(3H,7H)-dione	25	0.75
27	(3R,4R)-1-Benzyl-N,4-dimethyl piperidin-3-amine	1	0.03
28	4,6-Dichloro-2-(propylthio)-pyrimidin-5-amine	165	4.95
29	(1R,2S)-2-(3,4-Difluorophenyl) cyclopropanamine Hydrochloride	9.5	0.29
30	2-[[[(3aR,4S,6R,6aS)-6-amino-2,2-dimethyltetrahydro-3aH-cyclopenta [d][1,3]-dioxol-4-yl]oxy]-1-ethanol, L-Tartaric acid salt (1:1)	9.5	0.29
31	(2R,3S)-2-((R)-1-(3,5-Bis(trifluoro methyl)phenyl)ethoxy)-3-(4-fluoro phenyl)morpholine Oxalate	2.2	0.07
32	Dimethyl-2-(2-(5-benzoyl-2,3-dibromo-1H-pyrrol-1-yl) ethyl) malonate	28	0.84
33	Thieno [3,2-c] 4,5,6,7-tetrahydro pyridine HCl	194.67	5.84
34	N',N'-Diethyl-3-isobutylpentanediamide	412	12.36
35	tert-Butyl-2-(((4R,6S)-6-(acetoxymethyl)-2,2-dimethyl-1,3-dioxan-4-yl) acetate	197.5	5.93
36	4-(4-Fluorophenyl)-6-isopropyl-2-[N-methyl-N-methanesulfonyl amino] pyrimidine-5-methylbromide	296	8.88
37	(2R,3R)-3-(3-Methoxyphenyl)-N,N,2-trimethylpentan-1-amine Hydrochloride	6.5	0.20
38	Boc-3-Hydroxy-1-adamantyl-D-glycine (or)3-hydroxy-N-Boc-(S)-adamantyl glycine	1.2	0.036
39	(1S,3S,5S)-3-(Aminocarbonyl)-2-azabicyclo[3.1.0]hexane-2-carboxylic acid tert-butylester	1.2	0.036
40	Aripiprazole	120	3.6
41	Bosentan	13.2	0.40
42	Ketorolac Tromethamine	13.2	0.40
43	Milnacipran Hydrochloride	10	0.3
44	Montelukast Sodium	32.9	1.0
45	Olmesartan Medoxomil	65.77	1.97
46	Pregabalin	32.9	1.0
47	Prasugrel Hydrochloride	6.6	0.20
48	Selegiline Hydrochloride	1.65	0.05
49	Silodosin	6.6	0.20
20 campaign products at a time out of total 49 products		2732.73	81.98
R & D Products		10	0.3
20 campaign products at a time out of total 49 products along with R & D Products		2742.73	82.28

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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: 1x 2 TPH Proposed: 1x3 TPH 1x 6 TPH	30 m 30 m 30m	Multicyclone Separator & bag filter Multicyclone Separator & bag filter Multicyclone Separator & bag filter
2	DG Sets: Existing: 1x180 kVA Proposed : 1x 1500 KVA 1x250 kVA 1x380 kVA 1x500 kVA	Adequate height	Acoustic enclosure

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

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	69.8	-	69.8
2	Washings	30	-	30
3	QC R&D	5	-	5
4	Scrubber	10	-	10
5	Boiler Feed	53	-	53
6	Cooling Tower	116	136	252
7	Domestic	7.5	-	7.5
8	Gardening	14	-	14
	Total	305.3	136	441.3

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	72.8	-	72.8	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	-	30	30	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	8.8	8.8	
5	Cooling tower bleed of	-	21	21	
6	Scrubber	10	-	10	
7	Domestic	-	6	6	
Total :		82.8	70.8	153.6	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	2.9TPD	Sent to SPCB Authorized Cement industries or to TSDf for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2	Spent Carbon	0.04 TPD	
3	Distillation Bottom Residue	0.4TPD	

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S.No	Description	Quantity	Mode of Disposal
4	Evaporation Salts (Process)	5.94TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF (AFRF) sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd/TSDF
5	ETP Sludge	0.7TPD	
6	Evaporation salt (Non-process)	1.6 TPD	
7	Boiler Ash	17.6 TPD	Sent to brick manufacturers
8	a) Detoxified Container / Liners drums, b) HDPE Carboys/ Drums c) Fibre drums and its rings	2000No. s/ month 500 (No's/month) 800 kg/month	Disposed to TSPCB Authorized agencies after complete detoxification
9	PP Bags	1000 (Kg/month)	Sent to authorized agencies after detoxification
10	Spent Mixed solvents	6.5KLD	Sent to SPCB Authorized agencies
11	Waste oils & Grease	2Kl/year	Sent to authorized agencies
12	Used Lead acid Batteries	50No.s/year	Sent to suppliers on buy back basis
13	Spent Catalyst	0.003 TPD	Sold to suppliers on buy-back basis.
14	Misc. Waste (spill control waste)	Lumpsum	TSDF/AFRF/Cement industry
15	Rejects	Lumpsum	
16	E- waste	Lumpsum	Authorized re-processor or TSDF
17	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
18	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
19	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
20	Non Hazardous waste – Used PPE	10 TPA	Sent to SPCB Authorized Cement industries/ Authorized AFRF industries/GEPIL TSDF
21	Insulation/Glass wool waste	10 TPA	
22	Waste MS/ Aluminium Plastic scrap	50 TPA	Scrap vendors
23	Paper waste & Misc.	0.5 TPD	Scrap vendors

The SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

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

Members of Sub-Committee:

1. Sri Venkateshwar
2. Sri Mantri Krishna Reddy.

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Agenda Item No. 09	M/s. MSN Life Sciences Private Limited, Unit-II, Sy.No.453/AA, 453/EE, 453/O, 453/E, 453/A, 454/A, 454/E, 454/EE, 454/AA/1, 455/A, 455/AA, 455/E, 455/EE, 456, 457/AA, 458/AA, 459/AA, 457/E, 458/E, 459/E, 457/O, 458/O, 459/O, 457/A, 458/A, 459/A, 457/OO, 458/OO, 459/OO, 457/EE, 458/EE and 459/EE, Chandampet (V), Shankarampet (M), Medak District - Environmental Clearance (Expansion) – Reg.
Proposal No.	SIA/TG/IND2/165415/2020 (EC)

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

The SEAC noted that the industry was established in the year 2005 vide CFE dt. 28.11.2005 to manufacture Bulk Drugs Intermediates.

The industry obtained EC on 17.03.2009 from the MoE&F, GoI, for the existing unit.

The industry submitted copy of self certified compliance report on EC condntions. CFE (CPM) obtained from TSPCB dated 15.03.2016

Latest CFO issued on 18.01.2018 from TSPCB valid upto 30.11.2022.

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 20.03 Ha, out of which Green area is 6.71 Ha. (33.5%).

Nearest human habitation is Chandampet(V) @ 0.61km; Nearest water body is Pond near Chandampet @ 0.45km; Adjacent to Wadiaram RF.

Project Cost for proposed expansion is Rs. 438.29 Crores (including existing Rs. 302.29 Crores). Budget for Environmental protection towards Capital Cost is Rs. 2129 Lakhs (including existing Rs. 629 lakhs) and Recurring Cost is Rs. 1624 Lakhs/annum. Budget for CER is Rs. 136 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	Acotiamide Hydrochloride Trihydrate	3.33	0.1
2	Alvimopan	1.67	0.05
3	Albendazole	33.33	1
4	Anagliptin	3.33	0.1
5	Apremilast	33.33	1
6	Atosiban Acetate	0.67	0.02
7	Baclofen	3.33	0.1
8	Balovaptan	3.33	0.1
9	Bedaquiline Fumarate	33.33	1
10	Bicetegravir Sodium	6.67	0.2
11	Bilastine	66.67	2

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S.No	Name of Product	Capacity	
		Kg/day	TPM
12	Brexpiprazole	3.33	0.1
13	Cangrelor Tetrasodium	0.33	0.01
14	Caspofungin Diacetate	0.17	0.005
15	Canagliflozin Amorphous	66.67	2
16	Canagliflozin Hemihydrate	100	3
17	Candesartan	66.67	2
18	Cariprazine Hydrochloride	3.33	0.1
19	Clobazam	33.33	1
20	Clopidogrel Hydrogen Sulfate	166.67	5
21	Cobisistat	166.67	5
22	Crisaborole	16.67	0.5
23	Dabigatran Etxilate Mesylate	166.67	5
24	Daclatasvir Dihydrochloride	50	1.5
25	Darunavir	333.33	10
26	Desvenlafaxine	66.67	2
27	Dexlansoprazole	166.67	5
28	Dofetilide	3.33	0.1
29	Dolutegravir Sodium	16.67	0.5
30	Doxepin Hydrochloride	3.33	0.1
31	Droxidopa	133.33	4
32	Edoxaban Tosylate	16.67	0.5
33	Elagolix Sodium	16.67	0.5
34	Eluxadoline	33.33	1
35	Elvitegravir	33.33	1
36	Empagliflozin	66.67	2
37	Emtricitabine	3.33	0.1
38	Entecavir	3.33	0.1
39	Eslicarbazepine Acetate	16.67	0.5
40	Esomeprazole Magnesium Trihydrate	100	3
41	Esomeprazole Sodium	100	3
42	Etravirine	33.33	1
43	Ertugliflozin-L-Pyroglutamic acid	16.67	0.5
44	Favipiravir	1.67	0.05
45	Ferric Carboxy Maltose	33.33	1
46	Fluphenazine Decanoate	3.33	0.1
47	Fluphenazine Hydrochloride	6.67	0.2
48	Glycerol Phenylbutyrate	3.33	0.1
49	Haloperidol	3.33	0.1
50	Haloperidol Decanoate	3.33	0.1
51	Icatibant Trifluoroacetate	0.07	0.002
52	Irbesartan	66.67	2
53	Isavuconazonium Sulfate	3.33	0.1
54	Ivacaftor	3.33	0.1
55	Ledipasvir	33.33	1.0
56	Levomilnacipran Hydrochloride	66.67	2.0
57	Levosimendan	3.33	0.1
58	Lifitegrast	16.67	0.5
59	Losartan Potassium	16.67	0.5
60	Lumateperone Tosylate	33.33	1
61	Macitentan	3.33	0.1
62	Mebendazole	100	3
63	Migalastat Hydrochloride	3.33	0.1
64	Mirabegron	133.33	4
65	Monomethyl Fumarate	266.67	8

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S.No	Name of Product	Capacity	
		Kg/day	TPM
66	Naloxegol Oxalate	16.67	0.5
67	Naloxegol Oxalate (Premix-HPMC)	66.67	2
68	Netupitant	3.33	0.1
69	Obeticholic acid	33.33	1
70	Omeprazole	333.33	10
71	Oseltamivir Phosphate	266.67	8
72	Oxcarbazepine	66.67	2
73	Pentason Polysulfate	3.33	0.1
74	Pimavanserin Tartrate	33.33	1
75	Pirfenidone	100	3
76	Pregabalin	333.33	10
77	Ramipril	166.67	5
78	Regadenoson	33.33	1
79	Remdesivir	166.67	5
80	Rilpivirine	3.33	0.1
81	Riociguat	3.33	0.1
82	Ritonavir	333.33	10
83	Rolapitant Hydrochloride Monohydrate	3.33	0.1
84	Rufinamide	33.33	1.0
85	Saquinavir Mesylate	3.33	0.1
86	Sacubitril and Valsartan	166.67	5
87	Sodium Benzoate	33.33	1
88	Sodium Phenyl Acetate	33.33	1
89	Sofosbuvir	33.33	1
90	Sugammadex Sodium	33.33	1
91	Suvorexant	3.33	0.1
92	Tasimelteon	33.33	1
93	Tavaborole	6.67	0.2
94	Tafenoquine Succinate	33.33	1
95	Telotristat Etiprate	33.33	1
96	Tenofovir Alafenamide Fumarate	66.67	2
97	Tenofovir Disoproxil Fumarate	3.33	0.1
98	Tiagabine Hydrochloride	6.67	0.2
99	Tofogliflozin Hydrate	3.33	0.1
100	Ubrogepant	3.33	0.1
101	Valsartan	833.33	25
102	Velpatasvir	8.33	0.25
103	Verteporfin	6.67	0.2
104	Vorapaxar Sulfate	3.33	0.1
105	Tiopronin	33.33	1
106	(5R,cis)-Toluene-4-sulfonic acid-5-(2,4-difluorophenyl)-5-(1H-1,2,4-triazol-1-yl)methyl tetrahydrofuran-3-yl methyl ester (PSZ-7)	26.67	0.8
Any 30 campaign products from total 106 products		5233.33	157
R&D Products		10	0.3
Any 30 campaign products from total 106 products along with R&D Products		5243.33	157.3

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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: 1x2 TPH Proposed: 2x10 TPH 1x6 TPH	30 m 32 m 32m 30 m	Multicyclone separator & bag filter Multicyclone separator & bag filter Multicyclone separator & bag filter
2	DG Sets: Existing: 1x 250 kVA Proposed : 4 x1500 KVA 2 x 1010 kVA	Adequate height	Acoustic enclosure

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

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	277.2	-	277.2
2	Washings	40	-	40
3	QC & R& D	5	-	5
4	Scrubber	10	-	10
5	Boiler Feed	135	-	135
6	Cooling Tower	172	428	600
7	Domestic	60	30 (fresh water RO rejects for flushing)	90
8	Gardening	83	-	83
	Total	782.2	458	1240.2

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	285	-	285	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	-	40	40	
3	R&D Lab	-	5	5	
4	Boiler blow down	-	22.4	22.4	
5	Cooling tower bleed of	-	50	50	
6	Scrubber	10	-	10	
7	Domestic	-	72	72	
Total :		295	189.4	484.4	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	16TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2	Spent Carbon	0.41TPD	
3	Distillation Bottom Residue	2.3 TPD	

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S.No	Description	Quantity	Mode of Disposal
4	Evaporation Salts (Process)	18.4TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
5	ETP Sludge	1.1TPD	
6	Evaporation salt (Non-process)	2.3 TPD	
7	Boiler Ash	44.8TPD	Sent to brick manufacturers
8	a) Detoxified Container / Liners drums, b) HDPE Carboys/ Drums c) Fibre drums and its rings	2000No. s/ month 1000 (No's/month) 1000 kg/month	Disposed to TSPCB Authorized agencies after complete detoxification
9	PP Bags	1000 (Kg/month)	Sent to authorized agencies after detoxification
10	Spent Mixed solvents	45KLD	Sent to SPCB Authorized agencies
11	Waste oils & Grease	5Kl/year	Sent to authorized agencies
12	Used Lead acid Batteries	80No.s/year	Sent to suppliers on buy back basis
13	Spent Catalyst	0.8 TPD	Sold to suppliers on buy-back basis.
14	Misc. Waste (spill control waste)	Lumpsum	TSDF/AFRF/Cement industry
15	Rejects	Lumpsum	
16	E- waste	Lumpsum	Authorized re-processor or TSDF
17	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
18	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
19	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
20	Non Hazardous waste – Used PPE	12 TPA	Sent to SPCB Authorized Cement industries/ Authorized AFRF industries/GEPIL TSDF
21	Insulation/Glass wool waste	15 TPA	
22	Waste MS/ Aluminium Plastic scrap	60 TPA	Scrap vendors
23	Paper waste & Misc.	0.5 TPD	Scrap vendors

The SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

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

Members of Sub-Committee:

1. Sri *Vinod gaud.*
2. Sri *Suresh.*
Krishna leddy.

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Agenda Item No. 10	M/s. MSN Life Sciences Private Limited, Unit-III, Sy.No. 536, 538 to 542, 544 to 550, 552 to 554, 574 & 559, Bhiknoor (V &M), Kamareddy District - Environmental Clearance (Expansion) – Reg.
Proposal No.	SIA/TG/IND2/168417/2020 (EC)

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

The SEAC noted that the industry obtained EC on 07.01.2014 from the MoE&F, GoI, for the existing unit in the name of M/s Virupaksha Organics Pvt. Limited. Subsequently, EC was transferred from M/s Virupaksha Organics Pvt. Limited to MSN Life Sciences Private Limited, Unit-III vide order dt.29.11.2017.

The industry submitted copy of self certified compliance report on EC conditotions.

The industry obtained CFE on 12.03.2015 from TSPCB.

Latest CFO issued on 17.05.2018 from TSPCB valid upto 28.02.2023.

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 39.45 Ha, out of which Green area is 13.14 Ha. (33.3%).

Nearest human habitation is Baswapuram(V) @ 2.16km; Nearest water body is Pond near Maulupalli@ 0.76km; Nearest RF is Biknoor RF/ Baswapuram RF @ 4.04 Km. from industry.

Project Cost for proposed expansion is Rs. 426.95 Crores (including existing Rs. 239.95 Crores). Budget for Environmental protection towards Capital Cost is Rs. 1500 Lakhs and Recurring Cost is Rs. 4325Lakhs/annum. Budget for CER is Rs. 187 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	Actiamide Hydrochloride Trihydrate	33.33	1
2	AliskirenHemifumarate	16.67	0.5
3	Alogliptin Benzoate	16.67	0.5
4	Anagliptin	16.67	0.5
5	Atorvastatin Calcium	500	15
6	BaloxavirMarboxil	33.33	1.0
7	Bempedoic acid	16.67	0.5
8	Bupivacaine Hydrochloride	3.33	0.1
9	Clopidogrel Hydrogen Sulfate	666.67	20
10	Doxepin Hydrochloride	50	1.5
11	Famotidine	166.67	5
12	Favipiravir	500	15
13	Febuxostat	66.67	2
14	Fexofenadine Hydrochoride	166.67	5
15	Flecainide Acetate	5	0.15
16	Ferric Carboxy Maltose	16.67	0.5

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S.No	Name of Product	Capacity	
		Kg/day	TPM
17	Flucytosine	16.67	0.5
18	Gadobutrol	6.67	0.2
19	Glimepiride	8.33	0.25
20	Grazoprevir Potassium	3.33	0.1
21	Hydroxychloroquine Sulfate	333.33	10
22	Isavuconazonium Sulfate	16.67	0.5
23	Lamivudine	100	3
24	Lemborexant	6.67	0.2
25	Lesinurad	3.33	0.1
26	Levetiracetam	333.33	10
27	Lumateperone Tosylate	20	0.6
28	Lurasidone Hydrochloride	20	0.6
29	Metyrosine	6.67	0.2
30	Metoprolol Succinate	33.33	1
31	Metoprolol Tartrate	33.33	1
32	Mirogabalin	166.67	5
33	Naratriptan Hydrochloride	3.33	0.1
34	Olmesartan Medoxomil	269.67	8.1
35	Opicapone	16.67	0.5
36	Oseltamivir Phosphate	300	9
37	Pantoprazole Sodium Sesquihydrate	666.67	20
38	Pencillamine	33.33	1
39	Pregabalin	1000	30
40	Ramipril	166.67	5
41	Ranolazine	833.33	25
42	Remdesivir	16.67	0.5
43	Ritonavir	166.67	5
44	Rosuvastatin Calcium	333.33	10
45	(S)-2-Aminobutyramide Hydrochloride (SABAM)	666.67	20
46	Safinamide	3	0.09
47	Salcaprozate Sodium	20	0.6
48	Saquinavir Mesylate	33.33	1
49	Sildenafil Citrate	166.67	5
50	Sitagliptin Hydrochloride Monohydrate	66.67	2
51	Sitagliptin phosphate Monohydrate	16.67	0.5
52	Sodium Zirconium Cyclosilicate	6.67	0.2
53	Solriamfetol Hydrochloride	10	0.3
54	Sumatriptan Succinate	16.67	0.5
55	Teneligliptin Hydrobromide Hydrate	16.67	0.5
56	Tezacaftor	6.67	0.2
57	Tiopronin	33.33	1
58	Tramadol Hydrochloride	500	15
59	Ubrogepant	20	0.6
60	Upadacitinib	10	0.3
61	Vildagliptin	266.67	8
Any 25 campaign products from total 61 products		8486.3	254.59
R&D Products		16.67	0.5
Any 25 campaign products from total 61 products along with R&D Products		8503	255.09

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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: 1x 6 TPH (standby) Proposed: 2x16 TPH	30 m 40 m	Multicyclone separator & bag filter Multicyclone separator & bag filter
2	DG Sets: Proposed : 6 x1500 KVA	Adequate height	Acoustic enclosure

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

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	283.5	-	283.5
2	Washings	40	-	40
3	QC & R& D	5	-	5
4	Scrubber	20	-	20
5	Boiler Feed	154	-	154
6	Cooling Tower	284	482	766
7	Domestic	65	30 (Fresh water RO rejects for flushing)	95
8	Gardening	163	-	163
	Total	1014.5	512	1526.5

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	314.7	-	314.7	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	-	40	40	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	25.6	25.6	
5	Cooling tower bleed of	-	64	64	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	Scrubber	20	-	20	
7	Domestic	-	76	76	
Total :		334.7	210.6	545.3	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	12TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2	Spent Carbon	0.2TPD	
3	Spent Activated Carbon from Activated Carbon Filter	4.5 TPM	
4	Distillation Bottom Residue	2 TPD	

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S.No	Description	Quantity	Mode of Disposal
5	Evaporation Salts (Process)	24.1TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
6	ETP Sludge	1.25TPD	
7	Evaporation salt (Non-process)	3.5 TPD	
8	Boiler Ash	51.2 TPD	Sent to brick manufacturers
9	a) Detoxified Container / Liners drums, b) HDPE Carboys/ Drums c) Fibre drums and its rings	3000No. s/ month 2000 (No's/month) 1000 kg/month	Disposed to TSPCB Authorized agencies after complete detoxification
10	PP Bags	1000 (Kg/month)	Sent to authorized agencies after detoxification
11	Spent Mixed solvents	40 KLD	Sent to SPCB Authorized agencies
12	Waste oils & Grease	11Kl/year	Sent to authorized agencies
13	Used Lead acid Batteries	80No.s/year	Sent to suppliers on buy back basis
14	Spent Catalyst	0.18 TPD	Sold to suppliers on buy-back basis.
15	Misc. Waste (spill control waste)	Lumpsum	TSDF/AFRF/Cement industry
16	Rejects	Lumpsum	
17	E- waste	Lumpsum	Authorized re-processor or TSDF
18	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
19	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
20	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
21	Non Hazardous waste – Used PPE	15 TPA	Sent to SPCB Authorized Cement industries/ Authorized AFRF industries/GEPIL TSDF
22	Insulation/Glass wool waste	15 TPA	
23	Waste MS/ Aluminium Plastic scrap	60 TPA	Scrap vendors
24	Paper waste & Misc.	0.5 TPD	Scrap vendors

The SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

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

Members of Sub-Committee:

1. Sri *Vinod Gred.*
2. Sri *Suresh.*
Krishna Reddy.

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genda Item No. 11	M/s. Rampex Labs Private Limited, Sy.No. 172, Plot No. 151, S.V. Co-op. Industrial Estate, Village Road, IDA Bollaram, Jinnaram Mandal, Sangareddy District - Environmental Clearance (Expansion) – Reg.
Proposal No.	SIA/TG/IND2/169794/2020 (EC)

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

The SEAC noted that the industry established in the year 1982 to manufacture API intermediates.

The industry obtained CFE (CPM) from APPCB on 15.10.2011.

Latest CFO issued on 02.07.2019 from TSPCB valid upto 30.06.2020.

The industry submitted **Self certified compliance report** on CFO conditions.

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 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.

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 2.02 Ha, out of which Green area is 0.81 Ha. (40%).

Nearest human habitation is Bollaram(V) @ 0.42km; Nearest water body is Ponds near Mallampet@1.26 km; Nearest RF is Kazipally RF @ 2.97Km. from the industry.

Project Cost for proposed expansion is Rs. 59.79 Crores (including existing Rs. 46.57 Crores). Budget for Environmental protection towards Capital Cost is Rs. 1062Lakhs (including existing Rs. 457 lakhs) and Recurring Cost is Rs. 575 Lakhs/annum. Budget for CER is Rs. 26.5 lakhs in first 5 years.

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

Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	1-Acetyl-4-(4-Hydroxyphenyl) Piperazine	433.33	13.0
2	6-Fluoro-3,4-dihydro-2H-chromane-2-carboxylic acid	116.67	3.5
3	1-(6-Fluoro-3,4-Dihydro-2H-1-benzopyran-2-yl)ethanone	16.67	0.5
4	6-Fluoro-3,4-dihydro-2-oxiranyl-2H-1-benzopyran	153.33	4.6
5	1-(2,3-Dichlorophenyl) Piperazine	33.33	1.0
S.No	Name of Product	Capacity	
		Kg/day	TPM
6	7-Hydroxy-3,4-dihydroquinolin-2(1H)-one	16.67	0.5

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S.No	Name of Product	Capacity	
		Kg/day	TPM
7	N-(5-Amino-2-methylphenyl)-4-(3-Pyridyl)-2-Pyrimidineamine	21.33	0.6
8	4-[(4-Methylpiperazinylmethyl) Benzoyl Chloride Dihydrochloride	26.67	0.8
9	4-[(4-Methylpiperazin-1-yl) methyl]-N-[4-methyl-3-[(4-pyridin-3-yl pyrimidin-2-yl) amino] phenyl] benzamide	3.33	0.1
10	Ethyl-4-{5-[Bis-(2-hydroxyethyl) amino]-1-methyl-1H-benzimidazol-2-yl} butyrate	0.83	0.02
11	4-(5-Amino-1-methyl-1H-benzoimidazol-2-yl)-butyric acid isopropylester	1.67	0.05
12	1-(2-Methoxyphenyl) Piperazine Hydrochloride	66.67	2.0
13	6,7-Bis-(2-methoxyethoxy)-4(3H)-quinazolinone	1.67	0.05
14	3-(3-Amino-4-(Methylamino)-Benzoyl (Pyridin-2-yl- Amino) Propionic Acid Ethyl Ester	16.67	0.5
15	2-(4-Cyanophenyl) Amino Acetic acid	10	0.3
16	Ethyl-3-(2-(((4-cyanophenyl) amino)methyl)-1-methyl-N-(pyridine-2-yl)-1H-benzo[d]imidazole-5-carboxamido) propanoate	5	0.2
17	N-Benzhydrylpiperazine	3.33	0.1
18	Phenyl {4-[4-(4-Hydroxyphenyl) Piperazin-1-yl] Phenyl} Carbamate	100	3.0
19	Ethyl-5-piperazin-1-yl-1-benzofuran-2-carboxylate	1	0.03
20	3-(4-Chlorobutyl)-1H-Indole-5-carbonitrile	1.67	0.1
21	4-Methyl-3-[[4-(3-pyridinyl)-2-pyrimidinyl]amino] benzoic acid	1.67	0.1
22	5-(2-Chloroethyl)-4-methylthiazole Hydrochloride	1.67	0.1
23	3-[(Aminoiminomethyl)amino]-4-methylbenzoic acid ethyl ester mononitrate	0.5	0.02
24	3-(4-Methyl-1H-Imidazol-1-yl)-5-(trifluoromethyl) aniline	0.83	0.02
25	(R)-5-(2-Aminopropyl)-2-methoxybenzenesulfonamide	3.33	0.1
26	3-(2-Chloroethyl)-9-hydroxy-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one	1.67	0.1
27	4-(4,6-Dichloropyrimidin-2-yl Amino) Benzonitrile	14	0.4
28	Methyl 4-(3,5,5,8,8-pentamethyl-5,6,7,8-tetrahydro naphthalene-2-carbonyl) benzoate	0.33	0.01
29	2,2'-Disulfanediyl bis (N-methylbenzamide)	0.03	0.001
30	3-[(E)-2-(pyridin-2-yl)ethenyl]-1-(tetrahydro-2H-pyran-2-yl)-1H-indazol-6-amine	0.03	0.001
31	6-Fluoro-3-(4-piperidinyl)-1,2-benzisoxazole Hydrochloride	0.83	0.02
32	tert-Butyl piperazine-1-carboxylate	1.67	0.1
33	1-(4-Methoxyphenyl)-4-(4-nitrophenyl)piperazine	5	0.2
34	7,8-Dimethoxy-3-(3-iodopropyl)-1,3-dihydro-2H-3-benzazepin-2-one	1.67	0.1
35	Chlorzoxazone	150	4.5
36	Chlorthalidone	100	3.0
37	Olanzapine	16.67	0.5
38	Solifenacin Succinate	100	3.0
39	4-Oxo-4H-Chromene-2-Carboxylic acid	3.33	0.1
40	Dabigatran Etxilate Mesylate	116.67	3.5
41	Favipiravir	83.33	2.5
42	Hydroxychloroquine Sulfate	33.33	1.0
43	Lopinavir	80	2.4
Any 6 campaign products from total 43 products		1070	32.1
R&D Products		5	0.15
Any 6 campaign products from total 43 products along with R&D Products		1075	32.25

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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: 1x 3 TPH (standby) Proposed: 1x 5 TPH	30 m 30 m	Multicyclone separator & bag filter Multicyclone separator & bag filter
2	DG Sets: 1 x 380 kVA Proposed :1x1000 KVA	Adequate height	Acoustic enclosure

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

Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	28.9	-	28.9
2	Washings	2	-	2
3	QC & R& D	1	-	1
4	Scrubber	2	-	2
5	Boiler Feed	24	-	24
6	Cooling Tower	35	55	90
7	Domestic	18	-	18
8	Gardening	10	-	10
	Total	120.9	55	175.9

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	34.1	-	34.1	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	-	2	2	
3	QC & and R&D Lab	-	1	1	
4	Boiler blow down	-	4	4	
5	Cooling tower bleed of	-	7	7	
6	Scrubber	2	-	2	
7	Domestic	-	13	13	
Total :		36.1	27	63.1	

Details of Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	0.96 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2	Spent Carbon	0.05 TPD	
3	Distillation Bottom Residue	0.3 TPD	
4	Evaporation Salts (Process)	3.95TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
5	ETP Sludge	0.15TPD	
6	Evaporation salt (Non-process)	0.4 TPD	

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S.No	Description	Quantity	Mode of Disposal
7	Boiler Ash	8 TPD	Sent to brick manufacturers
8	a) Detoxified Container / Liners drums, b) HDPE Carboys/ Drums c) Fibre drums and its rings	500No. s/ month 500 (No's/month) 500 kg/month	Disposed to TSPCB Authorized agencies after complete detoxification
9	PP Bags	500 (Kg/month)	Sent to authorized agencies after detoxification
10	Spent Mixed solvents	3.6 KLD	Sent to SPCB Authorized agencies
11	Waste oils & Grease	2 Kl/year	Sent to authorized agencies
12	Used Lead acid Batteries	50No.s/year	Sent to suppliers on buy back basis
13	Spent Catalyst	0.05 TPD	Sold to suppliers on buy-back basis.
14	Misc. Waste (spill control waste)	Lumpsum	TSDF/AFRF/Cement industry
15	Rejects	Lumpsum	
16	E- waste	Lumpsum	Authorized re-processor or TSDF
17	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
18	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
19	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
20	Stripper Solvent	Lumpsum	Sent to cement industries / SPCB authorized Solvent recovery units

The SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

- i) Project modification
- ii) Project cost
- iii) ZLD System & its adequacy
- iv) ETP modifications
- v) Products: Comparison of existing and proposed (which are going for expansion)
- vi) Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST.
- vii) Raw material: Comparison of existing and proposed (which are going for expansion)
- viii) Solid waste: Comparison of existing and proposed (which are going for expansion)
- ix) Impact on surroundings
- x) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xi) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xii) Adequacy of Greenbelt development and undertaking that they will develop 33% of site as Greenbelt.
- xiii) 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.
- 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 *Mantri*
2. Sri *Venkateswar*
Krishna Reddy.

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Agenda Item No. 12	M/s. Esskay Laboratories, Plot No. 6, Sy. No. 460, Nancherla Industrial Park, Nancherla Village, Ganded Mandal, Mahbubnagar District - Environmental Clearance – Reg.
Proposal No.	SIA/TG/IND2/156541/2020 (EC)

The representative of the project proponent Sri Ravi Kiran; and Ms. K. Navya of M/s. Pragathi Labs & Consultants Pvt. Ltd., Hyderabad attended before the SEAC.

The proponent informed that they have applied the proposal under 5(f) Synthetic Organic Chemicals. Subsequently, they have applied another proposal of same project under 5(f) API category and informed that they will withdraw the present proposal.

Hence, the SEAC decided to return the proposal.

Agenda Item No. 13	M/s. Sri Monashi Life Sciences Private Limited, at Plot Number 149 & 150, Sy No. 241, Phase-II, IDA-Pashamylaram, Pashamylaram (V), Patancheru (M), Sangareddy District - Environmental Clearance – Reg.
Proposal No.	SIA/TG/IND2/166786/2020 (EC)

The representative of the project proponent Sri G. Sivadam; and Ms. K. Navya of M/s. Pragathi Labs & Consultants Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

The proponent submitted a copy of CFO order dt.05.12.2016 issued by TSPCB for their existing unit. The SEAC noted from the CFO order that the industry is permitted to carryout “Distillation of Spent Solvents / Mixed Solvents (Acetic Acid, Acetone, Acetonitrile, N-Butnol, N-Hexane, Dimethyl Formamide, Ethyl Acetate, Ethylene dichloride, Iso Propyl Alcohol, Methanol & Toluene)

During presentation, the proponent informed that it is now proposed to manufacture Bulk Drug Intermediates and TBTC recovery distillation in the proposed expansion.

The SEAC noted that the proponent is also proposing to manufacture other products of different category. As the industry is changing the category from distillation of solvents to Bulk Drugs & intermediates in the proposed expansion, it has to be treated as a new activity / unit only.

In this regard, the SEAC noted that:

- The industry is located in IDA, Pashamylaram wherein the State Government vide G.O.Ms. No. 95, dt. 21.09.2007 imposed restrictions on Establishment / Expansion of certain categories of industries (which includes all types of Bulk Drug manufacturing units except formulation) in all the industrial estates / industrial development areas and 1 km around these industrial areas in the Districts of Medak, Ranga Reddy, Mahaboobnagar & Nalgonda, subject to outcome of W.P. 19661/02 pending in the Hon’ble High Court.
- The State Government issued G.O.Ms. No. 64, dt. 25.07.2013 amending the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP. In the amendment order, it was mentioned that “provided that the expansion of production of all types of existing Bulk Drug & Bulk Drug intermediate manufacturing units are permitted, subject to the installation of Zero Liquid Discharge (ZLD) facilities by such units and subject to the outcome of cases pending in the National Green Tribunal, Southern Zone, Chennai or in any other court. The Pollution load of Industrial unit shall be assessed at the point of Discharge, as provided in Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.”
- The State Government issued G.O.Ms.No.24 dt.24.04.2019 further amending the G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP. In the amendment order, it was mentioned that
 - i) The expansion of production of all kinds of existing industrial units falling under the areas and categories covered by G.O.Ms.No.95 dt. 21.09.2007 are hereby permitted subject to compliance of the directions in the above mentioned orders of the Hon’ble NGT, dt.24.10.2017.

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- ii) The ban imposed on the establishment of new industries of the categories and in the areas as mentioned in the G.O.Ms.95, dt.21.09.2007 shall continue.

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

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

Agenda Item No. 14	M/s. SVS Intermediates Private Limited, Sy. No. 95/Aa, Ramannapeta (V), Mallemadugu (Revenue Village), Khammam Rural (M), Telangana - Environmental Clearance – Reg.
Proposal No.	SIA/TG/IND2/166744/2020 (EC)

The representative of the project proponent Sri P. Ramesh; and Ms. K. Navya of M/s. Pragathi Labs & Consultants Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

It was informed that the industry was established in the year 2014 with CFE order dt. 10.11.2014 for manufacturing of Sodium Sulphate and Ammonium Sulphate.

The proponent submitted a copy of CFO order dt. 25.10. 2019 obtained from TSPCB valid upto 31.07.2020 for manufacturing of Sodium Sulphate and Ammonium Sulphate.

The proponent submitted **Self certified compliance report** on CFO conditions.

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

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

Total area is 0.29 ha, out of which Green area is 0.09 ha (31%).

Nearest human habitation is Regulachakka (V) @ 1.9 km; Nearest water body is Kanpura cheruvu @ 4.0 km from the industry.

Project Cost for proposed expansion is Rs. 5 Crores. Budget for Environmental protection towards Capital Cost is Rs. 50 Lakhs and Recurring Cost is Rs. 10 Lakhs/annum. Budget for CER is Rs. 10 lakhs in first 5 years.

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

Products:

S.No.	Name of the Product	Quantity TPM
1	Escitalopram Oxalate	2.775
2	Omeprazole	2.775
3	Lansoprazole	2.775
4	Esomeprazole Magnesium Trihydrate	2.775
5	Domperidone	2.775
Total		13.875
Total: 166.5 TPA		

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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: Proposed: 1 x 1 TPH	30 m	Bag filters
2	DG Sets: Existing: 1 x 40 kVA	Adequate height	Acoustic enclosure

The process emissions are to be routed through Multi Stage Scrubber system..

Details of Water requirement after expansion:

Purpose	Fresh Water (KLD)
Process & QC Lab Washings	12.4
Scrubber	1.0
Washing	1.25
Boiler Feed	12
Cooling Tower	12
Domestic	2.0
DM Plant Regeneration	2.75
Gross Total	43.4

Details of Effluent generation, treatment & disposal after expansion:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	12.9	--	12.9	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	0.75	--	0.75	
3	Boiler blow down	--	8	8	
4	Cooling tower bleed of	--	6	6	
5	Scrubber	1.25	--	1.25	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	RO/DM Plant Rejects	--	1.75	1.75	
7	Domestic	--	1.8	1.8	
Total :		14.9	17.55	32.45	

Details of Solid Waste after expansion:

S.No.	Description	Quantity	Treatment
1	Process salts	35.5 kg/batches	Shall be sent to M/S. HWMP (TSDF), Dundigal, Rangareddy District for safe disposal
2	Used Oil for DG Sets	30 LPA	Shall be sent to authorized waste oil Re-processors/ re-Cycling units
3	Drums/ Containers	40 Nos./day	After complete detoxification, shall be sold to authorized parties/dealers
4	Coal ash	0.25 TPD	Shall be sold to brick manufacturers

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The SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

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

Members of Sub-Committee:

1. Sri Vinod goud.
2. Sri Venkateswar.
Krimna Reddy.

Agenda Item No. 15	M/s. Ravoos Laboratories Ltd., (Unit II), Sy. No. 210, Dothigudem (V), B. Pochampally (M), Yadadri Bhuvanagiri District - Environmental Clearance – Reg.
Proposal No.	SIA/TG/IND2/166704/2020 (EC)

The representative of the project proponent Sri P. Venkateshwar Rao; and Ms. K. Navya of M/s. Pragathi Labs & Consultants Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

It was informed that the existing industry was established in the year 2011.

The proponent submitted copy of CFO order dt. 21.08.2019 valid upto 31.12.2019 for manufacturing Beta-Amino (thoxy-2-Methoxy Anisole, Meta Bromo Anisole; and 3-Methoxy-1-Proparol.

The proponent submitted **Self certified compliance report** on CFO conditions.

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 17363.46 Sq.m. out of which Green area is 6,000.0 Sq.m.(34.5%).

Nearest human habitation is Dothigudem (V) @ 1.1 km; Nearest water body is Pedda Kondur @ 6.29 km; Nearest RF is Lakkaram RF @ 0.8 km from the industry.

Project Cost for proposed expansion is Rs. 5 Crores. Budget for Environmental protection towards Capital Cost is Rs. 50 Lakhs and Recurring Cost is Rs. 10 Lakhs/annum. Budget for CER is Rs. 10 lakhs in first 5 years.

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

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Products:

S.No.	Name of the Product	Quantity (TPM)
1	Citalopram	3.125
2	Escitalopram	3.125
3	Doxazosin	3.125
4	Prazosin	3.125
5	Terazosin	3.125
6	Omeprazole	3.125
7	Lansoprazole	3.125
8	Dexlansoprazole	3.125
9	Esomeprazole	3.125
10	Pantaprazole sodium	3.125
11	Rabeprazole	3.125
12	Domperidone	3.125
13	Tamsulosin	3.125
14	Venlafaxine	3.125
15	Fenofibrate	3.125
16	Telmisartan	3.125
17	Cinnarizine	3.125
18	Itracanzole	3.125
Total any 8 out of 18 products		25
Total 300 TPA (Only 8 nos. of products can be manufactured at a time)		

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 TPH	30 m	Bag filters
2	Thermic fluid heater Existing: 1 x 2 Lakh K.cal/hr	15 m	Dust Collector
3	DG Sets: Proposed; 1 x 750 kVA	Adequate height	Acoustic enclosure

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

Details of Water requirement after expansion:

Purpose	Fresh Water (KLD)
Process & QC Lab Washings	16.7
Scrubber	2.0
Washing	2.5
Boiler Feed	24.0
Cooling Tower	24.0
Domestic	0.5
DM Plant Regeneration	5.5
Gross Total	75.2

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Details of Effluent generation, treatment & disposal after expansion:

Description	Quantity (KLD)	Mode of Treatment
HTDS Effluents		
Process	18.1	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
Washings	2.5	
Scrubber Effluent	2.0	
Total I	22.6	
LTDS Effluents		
Boiler Blow downs	2.5	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
Cooling tower Blow downs	3.5	
RO/DM Plant Rejects	3.5	
Total II	9.5	
Grand Total (I+II)	30.0	

Details of Solid Waste after expansion:

S.No.	Description	Quantity	Mode of disposal
1	Process organic sludge	471.29 kg/day	shall be disposed to TSDF
2	Process Sludge and FE Sludge Inorganic	1064.81 kg/day	shall be disposed to TSDF
3	Waste Oils	60 LPA	To authorised Re processors or recyclers

The SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

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

Members of Sub-Committee:

1. Sri ~~Vijaya~~ *Vijaya Laxmi*
2. Sri *Suresh Krishna Reddy*

Agenda Item No. 16	M/s. Sri Karthikeya Bio & Pharma Projects Pvt. Ltd., Sy.No. 203/A1 of Mirzapalle village, Shankarampet (M), Medak District - Environmental Clearance – Reg.
Proposal No.	SIA/TG/IND2/166633/2020 (EC)

The representative of the project proponent Sri R. Karthik; and Ms. K. Navya of M/s. Pragathi Labs & Consultants Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

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It was informed that the existing industry was established in the year 2016 with CFE order dt. 16.06.2016.

The industry submitted latest CFO order dt.28.07.2017 valid upto 31.12.2022 to manufacture Phosphate Salts, Chloride Salts and Sulphate Salts.

The industry submitted **self certified compliance report** on CFO conditions.

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 9,469.65 m², out of which Green area is 3120 m² (33%).

Nearest human habitation is Mirzapalle (V) @ 0.38 km; Nearest water body is Ambajpet Cheruvu @ 1.5 km; Nearest RF is Mirzapalle RF @ 2.0 km from the industry.

Project Cost for proposed expansion is Rs. 5 Crores. Budget for Environmental protection towards Capital Cost is Rs. 50 Lakhs and Recurring Cost is Rs. 10 Lakhs/annum. Budget for CER is Rs. 10 lakhs in first 5 years.

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

Products:

S.No.	Name of the Product	Quantity (TPM)	Quantity (Kg/Day)
1	Citalopram	7.5	250
2	Escitalopram	7.5	250
3	Doxazosin	7.5	250
4	Prazosin	7.5	250
5	Terazosin	7.5	250
6	Omeprazole	7.5	250
7	Lansoprazole	7.5	250
8	Dexlansoprazole	7.5	250
9	Esomeprazole	7.5	250
10	Pantaprazole sodium	7.5	250
11	Rabeprazole	7.5	250
12	Domperidone	7.5	250
13	Tamsulosin	7.5	250
14	Venlafaxine	7.5	250
15	Fenofibrate	7.5	250
	Total	112.5	3750

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

S.No.	Utility	Stack Height (mt)	APCE
1	Coal fired Boiler: Proposed: 1 x 2 TPH	30 m	Bag filters
2	Thermic fluid heater Proposed: 1 x 2 Lakh K.cal/hr	15 m	Dust Collector

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3	DG Sets: Proposed: 2 x 250 kVA	Adequate height	Acoustic enclosure
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The **process emissions** containing Sulphur dioxide & Hydrochloric are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Nitrogen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely dispersed into the atmosphere through water column.

Details of Water requirement after expansion:

Purpose	Fresh Water (KLD)
Process	72
Washings	5
Scrubber	5
Boiler Feed Make up	24
Cooling Tower Make up	32
Domestic	12
Total	150

Details of Effluent generation, treatment & disposal after expansion:

Description	Quantity (KLD)	Mode of Treatment
	After Expansion	
HTDS Effluents		
Process	78	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
Washings	5	
Scrubber Effluent	5	
Total I	88	
LTDS Effluents		
Boiler Blow downs	16	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
Cooling tower Blow downs	24	
Domestic	9.6	
Total II	49.6	
Grand Total (I+II)	137.6	

Details of Solid Waste after expansion:

S.No.	Description	Quantity	Method of Disposal
1	Spent Oil/used waste	50 kg/month	Sent to TSPCB authorized agencies for Re-processing/ Recycling
2	Spent Solvents	10000 kg/month	Sent to TSDF
3	Distillation residue	1000 kg/month	
4	Spent Catalyst / Spent carbon	500 kg/month	Sent to Cement industries
5	Discarded containers	100 Nos./month	Sent to authorized dealers after complete detoxification
6	Sludge from waste water treatment	75 kg/month	Sent to TSDF
7	Chemical sludge, oil & grease skimming	75 kg/month	Sent to TSPCB authorized agencies for Re-processing/ Recycling
8	Used lead acid batteries	4 No./annum	Sent back to suppliers for buy back of new batteries

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The SEAC decided to constitute a sub-committee with the following members to inspect the unit, verify records and submit report on the following:

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

Members of Sub-Committee:

1. Sri Vinod goud
2. Sri Mantri
Krishna Reddy.

Agenda Item No. 17	M/s. MS Agarwal Foundries Pvt. Ltd., Sy.No.158(P), 159(P), 166-170, Chetlagoraram (V), Toopran (M), Medak District - Environmental Clearance (Expansion) – Reg.
Proposal No.	SIA/TG/IND/50654/2014 (EC)

The representative of the project proponent Sri Ch. Venkataramana; and Sri Shyam Sunder of M/s. Sri Sai Manasa Nature-Tech Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

The existing plant obtained EC (Expansion) vide order dt.06.02.2016 from the SEIAA, TS for the following capacities:

Existing			Proposed			After Expansion
Furnace	Capacity	Production (TPA)	Furnace	Capacity	Production (TPA)	Production (TPA)
Induction furnace	25 TPH	50,000	Induction furnace	40 TPH	1,20,000	2,05,000
Induction furnace	4.5 TPH	35,000				
Re-heating furnace	10 TPH	--	Re-heating furnace	18 TPH	--	--
Rolling mill	10 TPH	69,000	Re-rolling mill	16.5 TPH	3,00,000	3,69,000

The proposed project is for modernization cum expansion of the existing plant. The SEAC noted that the MoEF&CC, GoI issued TORs to the project on 23.07.2018 in the absence of SEIAA/SEAC, TS.

Accordingly, the project proponent undergone the process of public hearing on 17.10.2019 and submitted final EIA report. The SEAC noted the contents of final EIA report and issues emerged in the Public Hearing.

The details of the proposed modernization cum expansion of the project are as following:

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Total area of the plant is Ac. 32.0; out of which Green area is Ac.10.56 (33%).

Nearest human habitation is Chetlagowraram (V) @ 1.5 km; Nearest water body is Haldi River @ 8.5 km; Nearest RF is Palat RF @ 0.2 km from the industry. Though the revenue village of nearest habitation is far away from the site beyond 1.0 km, a hamlet exists adjacent to site.

Project Cost for proposed expansion is Rs. 40.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 4.0 Crores and Recurring Cost is Rs. 35.75 Lakhs/annum. Budget for CER is Rs. 45.0 lakhs.

Production details after proposed expansion:

Description	Existing, TPA	Proposed, TPA	After Expansion, TPA
Induction Furnace	205,000	395,000	600,000
Rolling Mill	369,000	231,000	600,000

The industry is proposing additional 3 no. of Stacks each of height 30m from 6 x 30 TPH Induction Furnace units and bag filters are proposed to be installed.

Item	Water Requirement in KLD (Existing)	Water Requirement in KLD (Proposed)	Total Water Requirement after expansion (KLD)
Cooling Purpose	60	220	280
Domestic Purpose	10	10	20
Dust Suppression & Green Belt	30	-	30
Total	100	230	330

- There is no generation of process wastewater in the proposed project.
- Cooling water is continuously re-circulated in the cooling water circuits, heat exchangers and discharged to the sump or holding tank cooling towers where evaporataion losses drift losses and spillages are encountered.
- Domestic waste water will be sent to the septic tank followed by soak pit.
- Zero Discharge norms will be followed

Details of Solid Waste after expansion:

S.No.	Particular	Existing (TPD)	Proposed (TPD)	Total (TPD)
1	Slag	73.1	141.9	215
2	Mill Waste	30.5	19.5	50

Process slags will be used for filling of low laying areas, Bricks manufactures and cement industry and some quantity will be given to foundaries.

Proponent will provide the bio digester for Kitchen waste and the generated gas will be used in kitchen as a fuel and bio compost will be used as manure for plantation.

The SEAC also noted that no fly ash will be generated during the process.

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit report present status of the project, EMP measures being practiced, adequacy of EMP measures proposed, issues emerged in public hearing, impacts of the project on nearest habitation, Reserve Forest and surrounding environment, etc.

Members of Sub-Committee:

1. Sri Mantri
2. Sri Vinod goud.
Kainanda Reddy.