

**MINUTES OF THE 99<sup>th</sup> MEETING OF  
STATE EXPERT APPRAISAL COMMITTEE,  
(SEAC), TELANGANA STATE  
HELD ON 25.01.2021, 2.00 P.M.**



**MINUTES OF THE 99<sup>th</sup> MEETING OF STATE EXPERT APPRISAL COMMITTEE (SEAC) HELD ON 25.01.2021 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.	Dr.K.Shivakumar, Plot No. 328, Flat No: 302, Mchar Ninan, KPHB 6 <sup>th</sup> phase, Kukatpally. Hyderabad-500072 Ph: 9951701067	Member
4.	Dr.Vemula Vinod Goud, H.No. 6-156, Sridurga Estates, Deepthisri Nagar, Madinaguda, Hyderabad-500049. Ph:9440386945	Member
5.	Prof.C.Venkateshwar, Department of Botany, University College of Science. OU. Hyd. Flat No. 117, 'C' Block, Janapria castle, Rannagar, Vidyanagar – Hyderabad Ph:9440487742 & 8096754604	Member
6.	Shri Suresh, B-106, Vertex prime, Nizampet Road, Kukatpalli, Hyderabad. Ph: 9177037785	Member

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

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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 25.01.2021.

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

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<b>Agenda Item No. 01</b>	<b>2.92 Ha. Rough Stone &amp; Road Metal of M/s. Rainbow Enterprises, Survey No. 282, Ravalkole Village, Medchal Mandal, Medchal-Malkajgiri District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/MIN/60025/2021 (TOR)</b>

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

The SEAC noted that the project is for Rough Stone & Road Metal Quarry with Mine Lease Area of 2.92 Ha. (Ac. 7.20). The proponent informed that the production capacity of the project is to mine 58,500 m<sup>3</sup>/annum of Rough Stone & Road Metal.

The SEAC noted from Lr. dt. 13.10.2020 that quarry lease was granted in favour of the proponent for a period of 20 years. It may be noted that the Mine Lease is granted after 09.09.2013. The proponent submitted application along with Scrutinized /Approved Mining Plan.

The Proponent also submitted a copy of lr.dt. 09.11.2020 of ADMG, Medchal-Malkajgiri District informing that there are four quarry lease of M/s. Laxmi Prasanna Metal Industry (Ac.20.35 Gts. – lease period from 15.03.2013 to 14.03.2028 - existing); M/s. Vijay Lxmi Stone Metal (Ac.28.0 Gts. – lease period from 03.09.2019 to 02.09.2039 - existing); M/s. Associate Mines (13.051 Ha.– Proposed); and M/s. Rainbow Enterprises (Ac.11.18 Gts. – Proposed) falling within 500m from the proposed quarry lease. The project is considered under B1 Category as per provisions laid under EIA Notification, 2006 & its subsequent amendments and orders of the Hon'ble NGT.

The proponent informed that they have already collected the baseline data for the adjacent 4 leases as prt of cluster from December 2019 to February 2020 and requested to consider the same for preparation of EIA report based on the Standard Terms of Reference for proposed Rough Stone & Road Metal Quarry. The SEAC considered the request of the proponent for utilizing the baseline data from December 2019 to February 2020 for preparation of EIA report.

After detailed discussions, the proponent is directed to prepare EIA report as per the Standard Terms of Reference (TORs) issued by the MoEF&CC, GoI for "Mining of Minerals", undergo the process of public hearing in consultation with TSPCB and submit final EIA report along with project specific Joint Inspection Report; minutes of public hearing & response of the proponent to the issues emerged in the public hearing to the SEAC for appraisal.

<b>Agenda Item No. 02</b>	<b>4.53 Ha. Rough Stone and Road Metal of M/s. Rainbow Enterprises, Survey No. 276, Ravalkole Village, Medchal Mandal, Medchal-Malkajgiri District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/MIN/59981/2021 (TOR)</b>

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

The SEAC noted that the project is for Rough Stone & Road Metal Quarry with Mine Lease Area of 4.53 Ha. (Ac. 11.18). The proponent informed that the production capacity of the project is to mine 93,840 m<sup>3</sup>/annum of Rough Stone & Road Metal.

The SEAC noted from Lr. dt. 13.10.2020 that quarry lease was granted in favour of the proponent for a period of 15 years. It may be noted that the Mine Lease is granted after 09.09.2013. The proponent submitted application along with Scrutinized /Approved Mining Plan.

The Proponent also submitted a copy of lr.dt. 09.11.2020 of ADMG, Medchal-Malkajgiri District informing that there are three quarry lease of M/s. Vijay Lxmi Stone & Metal (Ac.28.0 Gts. – lease period from 03.09.2019 to 02.09.2039 - existing); M/s. Associate Mines (13.051 Ha.– Proposed); and M/s. Rainbow Enterprises (Ac.7.20 Gts. – Proposed) falling within 500m from the proposed quarry lease. The project is considered under B1 Category as per provisions laid under EIA Notification, 2006 & its subsequent amendments and orders of the Hon'ble NGT.

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The proponent informed that they have already collected the baseline data for the adjacent 4 leases as prt of cluster from December 2019 to February 2020 and requested to consider the same for preparation of EIA report based on the Standard Terms of Reference for proposed Rough Stone & Road Metal Quarry. The SEAC considered the request of the proponent for utilizing the baseline data from December 2019 to February 2020 for preparation of EIA report.

After detailed discussions, the proponent is directed to prepare EIA report as per the Standard Terms of Reference (TORs) issued by the MoEF&CC, Govt for "Mining of Minerals", undergo the process of public hearing in consultation with TSPCB and submit final EIA report along with project specific Joint Inspection Report; minutes of public hearing & response of the proponent to the issues emerged in the public hearing to the SEAC for appraisal.

<b>Agenda Item No. 03</b>	<b>M/s. Acumedx Pharmaceuticals Unit I, Sy. Nos. 405 (Part) of Chinnarevalli village, Sy. No. 42 (Part) of Tirumalagiri Village, Balanagar Mandal, Mahabubnagar District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/194520/2021 (EC)</b>

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

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

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

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

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

Total area is 8.63 acres. out of which Green area is 2.85acres (33%).

Nearest human habitation is at 910 mts; Nearest water body Peddachelka Tanda Cheruvu is at 630 mts from the proposed site.

Project Cost is Rs.35.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 6.90 crores and Recurring Cost is Rs.6.70 crores. Budget for CLR is Rs.70 lakhs in first 5 years.

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

**Manufacturing Capacity**

S.No	Name of Product	Capacity	
		Kg/Day	TPM
1	Apixaban	50	1.5
2	Aripiprazole	33.3	1
3	Brexpiprazole	20	0.6
4	Cariprazine Hydrochloride	10	0.3
5	Cilostazole	50	1.5
6	Dabigatran FtexilateMesilate	150	4.5
7	Dex Rabeprazole Sodium	150	4.5
8	Dex-Lansoprazole	100	3
9	Doxazosin Mesylate	33.3	1
10	Duloxetine Hydrochloride	33.3	1
11	Efinaconazole	50	1.5
12	Esomeprazole Magnesium Trihydrate	66.7	2
13	Febuxostat	70	2.1
14	Ilaprazole	16.7	0.5
15	Itraconazole	83.3	2.5
16	Ivabradone Hydrochloride	100	3
17	Lansoprazole	100	3
18	Lesinuard		

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19	Levetiracetam	100	3
20	Olanzapine	100	3
21	Omeprazole	166.7	5
22	Paliperidone	50	1.5
23	Pantaprazole Sodium Sesquihydrate	100	3
24	Quetiapine Hemifumarate	133.3	4
25	Rabeprazole Sodium	200	6
26	Rivaroxaban	35	1.1
27	Safinamide Methane Sulphonate	100	3
28	Sertraline Hydrochloride	100	3
29	Sibutramine Hydrochloride Monohydrate	66.7	2
30	Telmisartan	33.3	1
31	Tenatoprazole	16.7	0.5
32	Terconazole	100	3
33	Topiramate	66.7	2
34	Trazadone Hydrochloride	100	3
35	Vildagliptin	35	1.1
36	11-Piperazino Dibenzo [b, f] [1, 4] Thiazepine. Hydrochloride	133.3	4
37	1-(2-(2-Hydroxy ethoxy ethyl) piperazine	250	7.5
38	2-Hydroxy methyl-3-methyl-4-(3-methoxy propoxy) pyridine Hydrochloride	133.3	4
39	2-Chloromethyl-3-methyl-4-methoxy pyridine Hydrochloride	100	3
40	2-[[[4-(3-methoxy propoxy)-3-methyl-2-pyridinyl] methyl] thio]-1H-benzimidazole	100	3
41	2-(Hydroxy methyl)-3-methyl-4-(2,2,2-trifluoroethoxy) Pyridine.HCl	166.7	5
42	2-(Chloro methyl)-3-methyl-4-(2,2,2-trifluoroethoxy) pyridineHCl	100	3
43	2-[[[3-methyl-4-(2,2,2-trifluoro ethoxy)-2-pyridinyl]methyl] sulfanyl]-1H-benzimidazole	133.3	4
44	(S)-(-)N,N-Dimethyl-3-hydroxy 3-(2-thieryl) propanamine	500	15
45	1-(2,3-Dichlorophenyl)Piperazine. Hydrochloride	500	15
46	1-[(2,3-Dihydro-1,4-benzodioxan-2-yl) carbonyl] piperazine	250	7.5
47	2-[(4-methoxy-3-methylpyridin-2-yl)methyl thio]-5-(1H-pyrrol-1-yl)-1H-benzo[d] imidazole	50	1.5
48	2-(Chloromethyl)-4-methoxy-3,5-dimethyl pyridineHCl	166.7	5
49	2-[(3,5-Dimethyl-4-methoxy-2-pyridinyl)-methyl] thio]-5-methoxy-1H-benzimidazole	166.7	5
50	2-Chloromethyl-3-methyl-4-(3-methoxy propoxy) Pyridine HCl	83.4	2.5
51	2-Hydroxy methyl-4-methoxy-3,5-dimethyl pyridine	100	3
52	4-[4-(4-(4-Hydroxy phenyl) -1-piperazinyl)phenyl] 2,4-dihydro- 2-(1-methyl propyl)-3H-1,2,4-Triazol-3-One	100	3
53	4-Amino-2-methyl-10H-Thieno[2,3-b] [1,5] benzodiazepine HCl	100	3.0
54	5-Difluoromethoxy-2-(3, 4-di methoxy-pyridin-2-ylmethyl) sulfanyl) -1H-benzimidazole (Sulphide)	600	18
55	5-Methoxy2-[[[4-methoxy-3,5-dimethyl)-2-pyridinyl methyl] thio] 1H imidazo [4,5-b] pyridine	100	3
56	Cis-[[2-(2,4-Dichloro phenyl)-2-(1H-1,2,4-triazol-1-yl-methyl)-1,3-dioxolan-4-yl] methyl] methane sulfonate	66.7	2
57	Dibenzo-[b, f] [1, 4]-thiazepin-11(10H)-one	500	15
58	Diethyl D(-) Tartrate	60	1.8
59	Valafran	1000	30
60	Revaprazan hydrochloride	500	15
61	Mirtazapine	70	2.1
62	Etoricoxib	70	2.1
63	Etoricoxib	70	2.1
64	Etodolac	1400	42
65	Deferasirox	35	1.1
66	2,3,4,5-Bis-O-(1-methylethylidene)-β-D-Fructopyranose	83.4	2.5
67	Metformin HCl	2000	60
	<b>Total Worst Case 8 Products on Campaign basis</b>	<b>7000</b>	<b>210</b>

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**By Products**

S.No	Name of Product	Stage	Name of By Product	Quantity (Kg/Day)
1	Dabigatran EtxilateMesilate	IV	Triethylamine HCl	114.1
2	Dex-Rabeprazole Sodium	II	Sodium Acetate	65.8
			Spent Acetic Acid (20%)	240.7
3	Dex-Lansoprazole	I	Sodium Acetate	47.3
			Spent Acetic Acid	200.0
4	Esomeprazole Mg. Trihydrate	I	Ammonium persulphate Dimethyl sulphate salt	137.8
5	Ilaprazole	II	Sodium Acetate	9.2
			Spent Acetic Acid (20%)	33.5
6	Lansoprazole	I	Sodium Acetate	33.4
			Spent Acetic Acid	33.3
7	Omeprazole	I	Ammonium persulphate Dimethyl sulphate salt	100.0
		II	Dimethyl sulfide ammonium persulfate	185.2
8	Pantaprazole Sodium	II	Phosphoric acid	41.8
9	Quetiapine Hemifumarate	III	Polyphosphoric acid (20%)	3483.2
10	Rabeprazole Sodium	II	Sodium Acetate	63.5
			Spent Acetic Acid (20%)	232.2
11	Tenatoprazole	I	Ammonium persulphate Dimethyl sulphate salt	6.7
		II	Dimethyl sulfide ammonium persulfate	21.3
12	11-Piperazine Dibenzo [b,f] [1,4] Thiazepine HCl	III	Polyphosphoric acid	2864.8
		IV	Piperazine HCl	49.3
13	1-(2-Hydroxy ethoxy ethyl) piperazine	I	Piperazine HCl	175.9
14	2-Hydroxy methyl-3-methyl-4-(3-methoxy propoxy) pyridine	II	Sodium Acetate	41.2
			Spent Acetic Acid (20%)	161.6
15	2-Chloromethyl-3-methyl-4-methoxy pyridine HCl	II	Acetic Acid (20%)	133.9
			Sodium Acetate	36.6
16	2-[[[4-(3-methoxy propoxy)-3-methyl-2-pyridinyl] methyl] thio]-1H-benzimidazole	II	Sodium Acetate	28.6
			Spent Acetic Acid (20%)	104.6
17	2-(Hydroxy methyl)-3-methyl-4-(2,2,2-trifluoroethoxy)Pyridine HCl	I	Sodium Acetate	53.1
			Spent Acetic Acid	133.3
18	2-(Chloro methyl)-3-methyl-4-(2,2,2-trifluoroethoxy) pyridine HCl	I	Sodium Acetate	31.9
			Spent Acetic Acid	80.0
19	2-[[[3-methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl] sulfanyl]-1H-benzimidazole	I	Sodium Acetate	40.3
			Spent Acetic Acid	100.0
20	2-(Chloromethyl)-4-methoxy-3,5-dimethyl pyridine HCl	I	Ammonium persulphate dimethyl sulphate salt	276.0
21	2-[[[3,5-Dimethyl-4-methoxy-2-pyridinyl]-methyl]thio]-5-methoxy-1H-benzimidazole	I	Ammonium persulphate dimethyl sulphate salt	189.8
22	2-Chloromethyl-3-methyl-4-(3-methoxypropoxy) pyridine HCl	II	Sodium Acetate	27.6
			Spent Acetic Acid (20%)	101.1
23	2-Hydroxy methyl-4-methoxy-3,5-dimethyl pyridine	I	Ammonium persulphate Dimethyl sulphate salt	65.0
24	1-[4-[4-(4-Hydroxy phenyl) -1-piperazinyl] phenyl] 2,4-dihydro- 2-(1-methyl propyl)-3H-1,2,4-Triazol-3-One	VI	Potassium Bromide	42.6
		VII	Sodium Bromide	52.4
25	Cis-[[2-(2,4-Dichloro phenyl)-2-(1H-1,2,4-triazol-1-yl-methyl)-1,3-dioxolan-4-yl] methyl] methane sulfonate	II	Triethylamine HCl	22.5
26	Dibenzo-[b, f] [1, 4]-thiazepin-11(10H)-one	III	Polyphosphoric acid	14500



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

S. No.	Utility	Stack Height (m)	APCE
1	<b>Boilers:</b> Proposed: 1 x 8 TPH 1 x 5 TPH (standby)	30 m 30 m	Bag filter Bag filter
2	<b>DG Sets:</b> Proposed: 1 x 1000 kVA and 2 x 500 kVA	10 m & 5 m	Effective stack height

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

**Details of Water requirement:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	59.3		59.3
2	Washings	8		8
3	Scrubber	3.5		3.5
4	Boiler Feed	35	5	40
5	Cooling Tower	40	110	150
6	RO/DM Plant	8.5		8.5
7	Domestic	6		6
8	Gardening	5		5
	<b>Total</b>	<b>165.3</b>	<b>115</b>	<b>280.3</b>

**Details of Effluent generation, treatment & disposal:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	65.3		65.3	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	8		8	
3	Scrubber Effluent	3.5		3.5	
4	RO/DM rejects	8.5		8.5	
5	Boiler Blow downs		8	8	
6	Cooling Tower Blow downs		25	25	
7	Domestic		5	5	
<b>Total effluent Quantity</b>		<b>85.3</b>	<b>38</b>	<b>125.3</b>	

**Details of Solid Waste:**

S. No	Description	Quantity	Mode of Disposal
1	Process Organic residue	6.43 TPD	Sent to cement plants for co-incineration/TSDf Dundigal.
2	Solvent residue	3.24 TPD	
3	Spent Carbon	184.2 Kg/day	
4	Stripper Distillate	4.7 KLD	Sent to TSDf
5	Hyflow	135.1 Kg/day	
6	Evaporation Salts	9.85 TPD	
7	Catalyst	30.3 Kg/day	
8	Inorganic Residue	2.3 TPD	
9	ETP Sludge	0.74 TPD	
10	Boiler Ash	2.72 TPD	Sent to brick manufacturers
11	Spent Solvents	72.6 KLD	Recovered within plant premises and reused

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12	Spent Mixed solvents	8.07 KLD	Disposed to end users
13	Waste oils & Grease	5.8 K/LPA	Sent to authorized agencies
14	Used Lead acid Batteries	15 Nos./year	Sent to suppliers on buy back basis
15	Detoxified containers & bags	900 Nos / Month	Sent to authorized recyclers
16	Used PPE	20 Kgs/ Month	Sent to authorized vendor
17	E- Waste	0.2 TPA	Authorized recyclers
18	Plastic Waste	0.1 TPA	Authorized recyclers
19	Metal Scrap	10 TPM	Sale to outside agencies/ recyclers

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

<b>Agenda Item No. 04</b>	<b>M/s. Marquechem Life Sciences, Sy. No. s 318 (Part), 320 (Part) of Pedda Adirala Village, Jadcherla Mandal, Sy. No. 404 (Part) of Chinnarevalli Village, Sy. No. 42 (Part) of Tirumalagiri Village, Balanagar Mandal, Mahabubnagar District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/194510/2021 (EC)</b>

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

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

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

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

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

Total area is 8.63 acres, out of which Green area is 2.85 acres (33%).

Nearest human habitation is at 950 mts; Nearest water body Poddachelka Tanda Cheruvu is at 630 mts from the proposed site.

Project Cost is Rs.32 Crores. Budget for Environmental protection towards Capital Cost is Rs. 6.17crores and Recurring Cost is Rs.6.70crores. Budget for CER is Rs. 64lakhs in first 5 years.

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

**Manufacturing Capacity**

S.No	Name of the Product	Capacity	
		Kg/Day	TPM
1	N-Acetyl Sulfanyl chloride	1000	30
2	4-Hydrazino-N-methylbenzene ethanesulfonamide HCl	100	3
3	4-Chlorobutyraldehyde Sodium bisulfite Adduct	100	3
4	4-Chlorobutyraldehyde Diethylacetal	600	18
5	4-Dimethylamino Butyraldehyde Diethylacetal	700	21
6	4-Hydrazino-N-methylbenzene ethanesulfonamide HCl	50	1.5
7	4,5,6,7-Tetrahydrothieno [3,2-C] pyridine HCl	100	3
8	Sumatriptan Succinate	300	9
9	Almotriptan	20	0.6
10	Naratriptan	20	0.6
11	Rizatriptan Benzoate	50	1.5
12	Carvedilol	80	2.4

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13	Efavirenz	60	1.8
14	Quinapril Hydrochloride	80	2.4
15	Montelukast Sodium	10	0.3
16	Pregabalin	60	1.8
17	Irbesartan	300	9
18	Pramipexole Dihydrochloride	50	1.5
19	Valsartan	50	1.5
20	Prasugrel Hydrochloride	100	3
21	Tolterodine Tartrate	1000	30
22	Omeprazole	400	12
23	Clopidogrel Hydrogen Bisulfate	80	2.4
24	Losartan Potassium	700	21
25	Risedronate Sodium	20	0.6
26	Vigabatrin	100	3
27	Lurasidone Hydrochloride	100	3
28	4,4'- Oxydiphthalic Anhydride (ODPA)	100	3
29	Metformin HCl	2000	60
	<b>Total Worst Case 8 Products on Campaign Basis</b>	<b>6700</b>	<b>201</b>

**By Products**

S. No	Name of By-Product	Quantity (Kg/day)	Stage	Name of Product
1	Spent Sulfuric Acid	2798	I	N-Acetyl sulfanyl chloride
2	Sulphanilic Acid	120	I	N-Acetyl sulfanyl chloride
3	Tributyltin Chloride	682.7	V	Irbesartan
4	Triyl Chloride	542.2	VI	Irbesartan
5	Hydrochloric Acid (25%)	1112.2		From Scrubbers

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

S. No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Proposed: 1 x 8 TPH 1 x 5 TPH (standby)	30 m 30 m	Bag filter Bag filter
2	<b>DG Sets:</b> Proposed: 1 x 1000 kVA & 2 x 500 kVA	10 m & 5 m	Effective stack height

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

**Details of Water requirement:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	44.8		44.8
2	Washings	5		5
3	Scrubber	3		3
4	R & D	1		1
5	Boiler Feed	35	5	40
6	Cooling Tower	50	98	148
7	RO/DM Plant	8.5		8.5
8	Domestic	8		8
9	Gardening	5		5
	<b>Total</b>	<b>160.3</b>	<b>103</b>	<b>263.3</b>

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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	50.3		50.3	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	5		5	
3	R & U		1	1	
4	Scrubber Effluent	3		3	
5	RO/DM rejects	8.5		8.5	
6	Boiler Blow downs		8	8	
7	Cooling Tower Blow downs		28	28	
8	Domestic		7	7	
<b>Total effluent Quantity</b>		<b>66.8</b>	<b>44</b>	<b>110.8</b>	

**Details of Solid Waste:**

S. No	Description	Quantity	Mode of Disposal
1	Process Organic residue	3.37 TPD	Sent to cement plants for co-incineration/TSDf
2	Spent Carbon	49.7 Kg/day	
3	Solvent residue	2.1 TPD	
4	Stripper Distillate	1.73 KLD	
5	Inorganic Residue	176.1 Kg/day	Sent to TSDf
6	Evaporation Salts	4.1 TPD	Sent to TSDf
7	ETP Sludge	616 Kg/day	Sent to TSDf
8	Catalyst	16.6 Kg/day	Sent to TSDf
9	Hyflo	59.9 Kg/day	Sent to TSDf
10	Boiler Ash	2.72 TPD	Sent to brick manufacturers
11	Spent Solvents	45 KLD	Recovered within plant premises & reused
12	Spent Mixed solvents	11.6 KLD	Disposed to end users
13	a) Detoxified Containers / Liners drums/ Carboys	950 No./ Month	Disposed to TSPCB Authorized agencies after complete detoxification
14	PP Bags	80 Kg/ Month	Sent to authorized agencies after detoxification
15	Waste oils & Grease	2 Kl/year	Sent to authorized agencies
16	Used Lead acid Batteries	20 No.s/Year	Sent to suppliers on buy back basis
17	E waste	1 TPA	Sent to authorized agencies

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

<b>Agenda Item No. 05</b>	<b>M/s. Innovative Pharmaceuticals, Sy. Nos. 320 (Part), 321 (Part) of Pedda Adirala Village, Jandherla Mandal, Sy. No. 404 (Part) of Chinnarevalli Village, Balanagar Mandal, Mahabubnagar District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/194494/2021 (EC)</b>

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

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

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

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

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

Total area is 8.83 acres, out of which Green area is 2.91 acres (33%).

Nearest human habitation is at 780 mts; Nearest water body Peddachelka Tanda Cheruvu is at 640 mts from the proposed site.

Project Cost is Rs.25.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 5.39crores and Recurring Cost is Rs.4.28crores. Budget for CER is Rs.50lakhs in first 5 years.

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

**Manufacturing Capacity**

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Clopidogrel Bi sulfate	500	15
2	Carisoprodol	50	1.5
3	Cinacalcet Hydrochloride	500	15
4	Fenbendazole	500	15
5	Fluconazole	600	18
6	Pexofenadine HCl	50	1.5
7	Gabapentane	500	15
8	Irbesartan	500	15
9	Itraconazole	25	0.75
10	Levocetirizine Dihydrochloride	500	15
11	Memantine HCl	600	18
12	Quetiapine Fumarate	50	1.5
13	Rivaroxaban	50	1.5
14	Simvastatin	50	1.5
15	Ziprasidone Hydrochloride	50	1.5
16	Metformin	2000	60
<b>Total – Worst Case 8 Products on Campaign Basis</b>		<b>5700</b>	<b>171</b>

**By Products**

S.No	Name of Product	Stage	Name of By-Product	Quantity	
				Kg/day	TPM
1	Clopidogrel Bisulphate	I	Ammonium Sulphate	246.2	7.4
			Ammonium Tartarate	286.9	8.6
			P- Toluene Sulfonic Acid	327.6	9.8
			Mono Potassium Phosphate	212	6.4
2	Fluconazole	I	Triethylamine hydrochloride	280.8	8.4
			Potassium Iodide (10%)	3650.2	109.5
			Potassium chloride(10%)	2891.7	86.8
3	Gabapentane	I	Spent Acetic acid (20%)	2118.8	63.6
4	Levocetirizine Di. HCl	VI	Triethylamine hydrochloride	152	4.6

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

S. No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Proposed: 1 x 6 TPH 1 x 5 TPH (standby)	30 m 30 m	Bag filter Bag filter
2	<b>DG Sets:</b> Proposed: 2 x 500kVA 1 x 175kVA	5 m 7 m	Effective stack height

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

**Details of Water requirement:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	49.7		49.7
2	Washings	3		3
3	Scrubber	2		2
4	Boiler Feed	25	10	35
5	Cooling Tower	30	72	102
6	RO/DM Plant	5		5
7	Domestic	5		5
8	Gardening	5		5
	<b>Total</b>	<b>124.7</b>	<b>82</b>	<b>206.7</b>

**Details of Effluent generation, treatment & disposal:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	52.67		52.67	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	3		3	
3	Scrubber Effluent	2		2	
4	RO/DM rejects	5		5	
5	Boiler Blow downs		4	4	
6	Cooling Tower Blow downs		16	16	
7	Domestic		4.5	4.5	
<b>Total effluent Quantity</b>		<b>62.67</b>	<b>24.5</b>	<b>87.17</b>	

**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Treatment/Disposal
1	Ash from Boiler	2.04 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	2.84 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent Residue	1.76 TPD	Sent to TDSF/Cement Industries
4	Spent Solvent	37.2 KLD	Recovered within plant premises and reused
5	Mixed Solvent	9.3 KLD	Dispose to End Users
6	Stripper Distillate	1.03 KLD	Sent to Cement Industries for Co-incineration.
7	Spent Carbon	215.2 Kg/day	
8	Inorganic Residue	83.9 Kg/day	Sent to TDSF
9	Hyflow	31 Kg/day	
10	Evaporation salts	3.9 Kg/day	
11	ETP Sludge	0.7 TPD	Sent to Manufacturers / Suppliers / Authorized agencies
12	Catalyst	5 Kg/day	
13	Detoxified containers	500 No.s/Yr	Sold to authorized vendors
14	Waste oil	0.8 K.L.PA	Sent to Authorized Recyclers
15	Used batteries	28 No.s/Yr	Sent to Authorized Recyclers

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

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<b>Agenda Item No. 06</b>	<b>M/s. Acumed Pharmaceuticals Unit II. Sy. Nos. 41 (Part), 42 (Part), 43 (Part), 47 (Part), Tirumalagiri Village, Balanagar Mandal, Mahabubnagar District - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/194481/2021 (EC)</b>

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

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

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

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

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

Total area is 12.2acres, out of which Green area is 4.1acres (33.6%).

Nearest human habitation is at 750 mts; Nearest water body Peddachelka Tanda Cheruvu is at 650 mts from the proposed site.

Project Cost is Rs.35 Crores. Budget for Environmental protection towards Capital Cost is Rs. 7.02crores and Recurring Cost is Rs.5.75crores. Budget for CER is Rs.70lakhs in first 5 years.

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

**Manufacturing Capacity**

S.No	Name of the Product	Capacity	
		Kg/day	TPM
1	Atorvastatin Calcium	1000	30
2	Brinzolamide	50	1.5
3	Canagliflozin	30	0.9
4	Capacitabine	1000	30
5	Cefsulodine Sodium	200	6
6	Dabigatran	50	1.5
7	Dapoxetine HCl	40	1.2
8	Darunavir Ethanolate	1000	30
9	Dexlansoprazole	800	24
10	Diacreine	50	1.5
11	Dorzolamide HCl	50	1.5
12	Dapagliflozin	500	15
13	Esomeprazole Magnesium	500	15
14	Irbesartan	500	15
15	Montelukast Na	1000	30
16	Posaconazole	500	15
17	Quetiapine Fumerate	750	22.5
18	Residronate Na	200	6
19	Telmisartan	750	22.5
20	Vilazdone	50	1.5
21	Metformin HCl	3000	90
22	R&D and Validation Products	0.15	5
	<b>Total (Worst Case 8 Products)</b>	<b>9300</b>	<b>279</b>

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**By Products**

Name of the product	Stage	By-product	Capacity	
			Kg/day	TPM
Cefsuloxline Sodium	III	Acetic acid	25.64	0.77
Dexlansoprazole	I	Sodium L (-) Mandelate	377.15	11.31
Diacerein	I	Sodium sulphate	51.66	1.55
	II	Propanoic acid	47.50	1.43
	III	Propanoic acid	36.92	1.11
Irbesartan	I	Triethyl chloride	325.35	9.76
Montelukast Na	I	Methane Sulfonic acid	157.89	4.74
Telmisartan	I	Potassium Bromide	201.14	6.03

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

S. No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Proposed: 1 x 10 TPH 1 x 5 TPH (standby)	35 m 30 m	Bag filter Bag filter
2	<b>DG Sets:</b> Proposed: 2 x 1000 kVA 2 x 500 kVA	10 m 5 m	Effective stack height

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

**Details of Water requirement:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	60.8		60.8
2	Washings	5		5
3	Scrubber	2		2
4	Boiler Feed	35	15	50
5	Cooling Tower	70	95	165
6	RO/DM Plant	8.5		8.5
7	Domestic	8		8
8	Gardening	3		3
	<b>Total</b>	<b>192.3</b>	<b>110</b>	<b>302.3</b>

**Details of Effluent generation, treatment & disposal:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	68.3		68.3	Zero Liquid Discharge System i.e., HTDS: Stripper, MCB & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	5		5	
3	Scrubber Effluent	2		2	
4	RO/DM rejects	8.5		8.5	
5	Boiler Blow downs		5	5	
6	Cooling Tower Blow downs		25	25	
7	Domestic		6.5	6.5	
	<b>Total effluent Quantity</b>	<b>83.8</b>	<b>36.5</b>	<b>120.3</b>	



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**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Disposal
1	Organic residue	4.38 TPD	Sent to cement plants for co-incineration.
2	Solvent residue	3.94 TPD	
3	Spent Carbon	217.5 Kg/day	
4	Hyflow	60 Kg/day	Sent to TSDF
5	Evaporation Salts	6.37 TPD	
6	EIP Sludge	1.4 TPD	
7	Boiler Ash	3.4 TPD	Sent to brick manufacturers
8	Spent Solvents	60.7 KLD	Recovered within plant premises and reused.
9	Spent Mixed solvents	15.2 KLD	Dispose to end users
10	Stripper Distillate	0.92 KLD	Sent to cement plants for co-incineration
11	Waste oils & Grease	4.95 KLPA	Sent to authorized agencies
12	Used Lead acid Batteries	20 No.s/year	Sent to suppliers on buy back basis
13	Bio medical waste	10 Kg/month	Sent to authorized common biomedical treatment facility
14	Detoxified containers & bags	200 Nos/month	Sent to authorized recyclers
15	Used PPE	20 Kgs/ month	Sent to authorized vendor
16	Used / Discarded RO Membranes	10 Kgs/ month	Sent to TSDF

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

Agenda Item No. 07	M/s. Stratchem Laboratories, Sy. Nos. 321 (Part), 322 (Part), Pedda Adirala Village, Jacherala Mandal, Mahabubnagar District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/194463/2021 (EC)

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

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

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

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

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

Total area is 12.68acres, out of which Green area is 4.2 acres (33.12%).

Nearest human habitation is at 560 mts; Nearest water body Peddachelka Tanda Cheruvu is at 700 mts from the proposed site.

Project Cost is Rs.30 Crores. Budget for Environmental protection towards Capital Cost is Rs. 6.20crores and Recurring Cost is Rs.5.40crores. Budget for CER is Rs. 60laks in first 5 years.

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

  
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**Manufacturing Capacity**

S. No	Name of Product	Capacity	
		TPM	Kg/day
1	Alfuzosin Hydrochloride	15	500
2	Aliskiren Hemifumarate	21	700
3	Atorvastatin Calcium	4.5	150
4	Capacitabin	7.5	250
5	Celicoxib	3	100
6	Citicoline Sodium	18	600
7	Clopidogrel Hydrogen Sulphate	18	600
8	Clopidogrel Bisulfate	18	600
9	Duloxetine Hydrochloride	3	100
10	Eplerenone	4.5	150
11	Imatinib Mesylate	3	100
12	Ketorolac Tromethamine	9	300
13	Lacosamide	6	200
14	Metformin HCl	90	3000
15	Montelukast sodium	12	400
16	Moxifloxacin HCl	12	400
17	Olmisarta Medoxomil	18	600
18	Pentaprazole Sodium	16.5	550
19	Prasugrel Hydrochloride	7.5	250
20	Pregabalin	7.5	250
21	Rifaximin	18	600
22	Rosuvastatin Calcium	6	200
23	Sexaglipitan	3	100
24	Sildenafil Citrate	3	100
25	Sumatriptan Succinate	4.5	150
26	Tadalafil	12	400
27	Terbinafine Hydrochloride	9	300
28	Tropium Chloride	4.5	150
30	Voronozole	7.5	250
31	R & D	0.15	5
<b>Total Worst Case 8 Products</b>		<b>223.5</b>	<b>7450</b>

**By Products**

S. No	Name of Product	Stage	Name of By-Product	Quantity (Kg/day)
1	Clopidogrel Hydrogen Sulphate	I	p-Toulene sulfonic acid	325.4
2	Clopidogrel Bisulfate	III	p-Toulene sulfonic acid	274.4
3	Tadalafil	II	Diethylamine HCl	383.7

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

S. No.	Utility	Stack Height (mf)	APCE
1	<b>Boilers:</b> Proposed: 1 x 8 TPH 1 x 5 TPH (standby)	30 m 30 m	Bag filter Bag filter
2	<b>DG Sets:</b> Proposed: 1 x 1000 kVA & 2 x 500 kVA	10 m & 5 m	Effective stack height

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

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**Details of Water requirement:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	36.3		36.3
2	Washings	5		5
3	Scrubber	3		3
4	Boiler Feed	35	5	40
5	Cooling Tower	125	80	205
6	RO/DM Plant	8.5		8.5
7	Domestic	8		8
8	Gardening	5		5
	<b>Total</b>	<b>147.8</b>	<b>85</b>	<b>232.8</b>

**Details of Effluent generation, treatment & disposal:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	44.2		44.2	Zero Liquid Discharge System i.e., HTDS: Stripper, MBE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	5		5	
3	Scrubber Effluent	3		3	
4	RO/DM rejects	8.5		8.5	
5	Boiler Blow downs		8	8	
6	Cooling Tower Blow downs		23	23	
7	Domestic		7	7	
<b>Total effluent Quantity</b>		<b>60.7</b>	<b>38</b>	<b>98.7</b>	

**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Treatment/Disposal
1	Ash from Boiler	2.72 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	3.74 TPD	Sent to TSDF/Cement Plants for Co-incineration
3	ETP Sludge	2 TPD	
4	Solvent Residue	3.6 TPD	Sent to TSDF/Cement Industries
5	Spent Solvent	48 KLD	Recovered within plant premises and reused
6	Mixed Solvent	12 KLD	Disposed to End users
7	Stripper Distillate	3.1 KLD	Sent to Cement Industries for Co-incineration.
8	Spent Carbon	1.42 KLD	
9	Hyflow	288 Kg/day	Sent to TSDF
10	Catalyst	105 Kg/day	Sent to TSDF
11	Inorganic Residue	1.06 TPD	Sent to TSDF
12	Evaporation salts	4.86 TPD	Sent to TSDF
13	Insulation waste	2 TPD	Sent to TSDF
14	Detoxified containers	10000 No.s/Yr	Sold to authorized vendors
15	PVC waste	40 Kg/Day	Sold to authorized vendors
16	Used PPE	20 Kgs/Month	Sent to authorized vendor
17	Waste oil	20 KLPA	Sent to Authorized Recyclers
18	Used batteries	600 No.s/Yr	Sent to Authorized Recyclers
19	E waste	1 TPA	Sent to Authorized Recyclers

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

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<b>Agenda Item No. 08</b>	<b>M/s. Vitazis Remedies, Sy. Nos. 318 (Part), 320 (Part) of Pedda Adirala Village, Jadcherla Mandal, Sy. No. 42 (Part) of Tirumalagiri Village, Balanagar Mandal, Mahabubnagar District - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>STA/TG/IND2/194440/2021 (EC)</b>

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

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

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

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

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

Total area is 10.83 acres, out of which Green area is 3.6acres (33.24%).

Nearest human habitation is at 920 mts; Nearest water body Poddachelka Tanda Cheruvu is at 870 mts from the proposed site.

Project Cost is Rs.25 Crores. Budget for Environmental protection towards Capital Cost is Rs. 6.10crores and Recurring Cost is Rs.5.05crores. Budget for CER is Rs. 50lakhs in first 5 years.

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

**Manufacturing Capacity**

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Terbinafine Hydrochloride	500	15
2	Clopidogrel Hydrogen Bisulfate	500	15
3	Moxifloxacin Hydrochloride Monohydrate	500	15
4	Darifenacin	100	3
5	Olmesartan	33	1
6	Montelukast Sodium	33	1
7	Metformin HCl	2000	60
8	Zidovudine	500	15
9	Ramipril	33	1
10	Duloxetine Hydrochloride	67	2
11	Amlodipine Besylate	100	3
12	Ketorolac Tromethamine	33	1
13	Pantaprazole Sodium	500	15
14	Omeprazole	750	22.5
15	Lansoprazole	350	10.5
16	Rabeprazole Sodium	500	15
<b>Total (Maximum 8 Products on Campaign Basis)</b>		<b>5750</b>	<b>172.5</b>

**By Products**

S.No	By-Product name	Name of Product	Capacity	
			Kg/day	TPM
1	Alphapinene	Montelokast Sodium	30.7	0.9
2	Tritanol	Olmesartan	634.3	19
		Zidovudine		
3	Spent HCl		570	17.1
4	Spent Sulfuric Acid (22.5%)		7275	218

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

S. No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Proposed: 1 x 8 TPH 1 x 5 TPH (standby)	30 m 30 m	Bag filter Bag filter
2	<b>DG Sets:</b> Proposed: 1 x 1000 kVA 2 x 500 kVA	10 m 5 m	Effective stack height

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

**Details of Water requirement:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	45.3		45.3
2	Washings	3		3
3	Scrubber	2		2
4	Boiler Feed	35	5	40
5	Cooling Tower	40	87	127
6	RO/DM Plant	8.5		8.5
7	Domestic	6		6
8	Gardening	5		5
	<b>Total</b>	<b>144.8</b>	<b>92</b>	<b>236.8</b>

**Details of Effluent generation, treatment & disposal:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	52.7		52.7	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	3		3	
3	Scrubber Effluent	2		2	
4	RO/DM rejects	8.5		8.5	
5	Boiler Blow downs		8	8	
6	Cooling Tower Blow downs		21	21	
7	Domestic		5.5	5.5	
<b>Total effluent Quantity</b>		<b>66.2</b>	<b>34.5</b>	<b>100.7</b>	

**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	3.12 TPD	Sent to cement plants for co-incineration.
2	Solvent residue	1.42 TPD	
3	Spent Carbon	211.5 Kg/day	
4	Hyflow & catalyst	51.1 Kg/day	Sent to TSDF
5	Evaporation Salts	4 TPD	
6	ETP Sludge	2 TPD	
7	Boiler Ash	2.72 TPD	Sent to brick manufacturers
8	Spent Solvents	38 KLD	Recovered within plant premises and reused.
9	Spent Mixed solvents	10.5 KLD	Dispose to end users

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10	Stripper Distillate	2.36 KLD	Sent to cement plants for co-incineration
11	Waste oils & Grease	3.3 KLPA	Sent to authorized agencies
12	Used Lead acid Batteries	15 No.s/year	Sent to suppliers on buy back basis
13	Bio medical waste	5 Kg/month	Sent to authorized common biomedical treatment facility
14	Detoxified containers	150 Nos/Month	Sent to authorized recyclers
15	Used PPE	15 Kgs/Month	Sent to authorized vendor
16	Used / Discarded RO Membranes	5 Kgs/Month	Sent to TSDF
17	Insulation waste	2 TPD	Sent to TSDF
18	PVC waste	40 Kg/Day	Sold to authorized vendors
19	E waste	1 TPA	Sent to Authorized Recyclers

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

<b>Agenda Item No. 09</b>	<b>M/s. Spica Laboratories Private Limited, Sy. No.270/C2, S.Lingotam (V), Choutuppal (M), Yadadri Bhuvanagiri District. - Environmental Clearance (expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176146/2020 (EC/ Expansion)</b>

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

The industry was established in the year 2004 with CFE dt. 27.12.2004.

The SEAC noted that proponent obtained EC (expansion) from the MoEF&CC, GoI vide order dt.09.01.2008 for existing unit.

The SEAC noted that proponent obtained CFE on 24.10.2011 and CFE (CPM) on 07.08.2013 (APPCB).

The proponent is operating the unit with latest CFO order dt.27.03.2017 of TSPCB valid upto 30.04.2022.

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

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

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

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

Total area is 3.9497 Ha, out of which Greenbelt is 1.313 Ha (33.25 %).

Nearest human habitation is Udaygiri Colony is at 1.32 km; Nearest water is Ramasamudram cheruvu is at 5.18 km; Nearest RF (Open scrub) – 0.47 km from the industry.

Project Cost for proposed expansion is Rs. 59.86 Crores including existing Rs.9.73 Crores. Budget for Environmental protection towards Capital Cost is Rs. 562 lakhs and Recurring Cost is Rs. 735 Lakhs/annum. Budget for CFR is Rs. 50 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 Product	Capacity	
		Kg/day	TPM
1.	Carvedilol	666.67	20.00
2.	Montelukast Sodium	66.67	2.00
	Montelukast Sodium (Alternate Process)	66.67	2.00
3.	Lamotrigine	200.00	6.00
4.	Carbidopa	400.00	12.00
5.	Citalopram Hydrobromide	200.00	6.00
	Citalopram Hydrobromide (Alternate Process)	133.33	4.00
6.	Dapoxetine Hydrochloride	40.00	1.20
7.	Darifenacin	40.00	1.20
8.	Duloxetine Hydrochloride	200.00	6.00
9.	Escitalopram Oxalate	133.33	4.00
10.	Esomeprazole	20.00	0.60
11.	Fesoterodine	20.00	0.60
12.	Finasteride	66.67	2.00
13.	Fluindione	80.00	2.40
14.	Lacosamide	40.00	1.20
15.	Lidocaine Hydrochloride	40.00	1.20
16.	Methyldopa	40.00	1.20
17.	Mizolastine	50.00	1.50
18.	Naproxen	66.67	2.00
19.	Nebivolol	80.00	2.40
20.	Ondansetron Hydrochloride Dihydrate	466.67	14.00
21.	Racecadotril	30.00	0.90
22.	Ranolazine	400.00	12.00
23.	Ropaglinide	40.00	1.20
24.	Rivastigmine Hydrogen tartrate	200.00	6.00
25.	Sitagliptin Phosphate	100.00	3.00
26.	Tapentadol Hydrochloride	20.00	0.60
27.	Tolterodine Tartrate	40.00	1.20
28.	Topiramate	20.00	0.60
29.	Valsartan	266.67	8.00
30.	Vilazodone	20.00	0.60
31.	Vildagliptin	40.00	1.20
32.	Voriconazole	30.00	0.90
33.	Ziprasidone	120.00	3.60
34.	Letrozole	200.00	6.00
35.	Venlafaxine Hydrochloride	100.00	3.00
36.	Desvenlafaxine Benzoate	100.00	3.00
37.	Desvenlafaxine Succinate	100.00	3.00
38.	Cyclohexane-1,4-dicarboxylic acid, Cis/trans mix	333.33	10.00
39.	trans-Cyclohexane-1,4-dicarboxylic acid	333.33	10.00
40.	Rotigotine	100.00	3.00
41.	Fenofibrate	100.00	3.00
42.	Choline Fenofibrate	100.00	3.00
43.	Cyclohexane-1,2-dione	100.00	3.00
44.	D-Alanine methylester Hydrochloride	166.67	5.00
45.	O-Benzyl-L-threonine benzyl ester oxalate	100.00	3.00
46.	O-Phthalaldehyde	166.67	5.00
47.	Favipiravir	100.00	3.00
48.	R&D Validation Products	16.67	0.50
<b>Production Capacity (Maximum 12 Products &amp; R&amp;D Validation products at any given time out of total 48 products)</b>		<b>3883.33</b>	<b>116.50</b>

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**By-Product**

Sl. No.	By-Product	Quantity (Kg/day)	Quantity (TPM)	Name of the Product
1.	Alpha Pinene	61.33	1.84	Montelukast Sodium

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 21111 3 TPH Proposed: STPH	30 m 30 m 30 m	Multicyclone / bag filter Multicyclone / bag filter Multicyclone / bag filter
2	<b>DG Sets:</b> Permitted: 250 KVA 125 KVA Proposed: 500 KVA	Adequate height	Acoustic enclosure

The process emissions containing Hydrogen Chloride, Sulphur Dioxide and 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 after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1.	Process	84.66	-	84.66
2.	Washings	30	-	30
3.	QC & R&D	5	-	5
4.	Scrubber	12	-	12
5.	Boiler Feed	40	-	40
6.	Cooling Tower	-	156	156
7.	Domestic	11	7 (flushing)	18
8.	Gardening	20	-	20
	<b>Total</b>	<b>202.66</b>	<b>163</b>	<b>365.66</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	103.2	-	103.2	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers.
2	Washings	-	30	30	
3	QC and R&D Lab	-	5	5	
4	Boiler	-	8	8	
5	Cooling tower	-	12	12	
6	Scrubber	10	-	10	
7	Domestic	-	15	15	
<b>Total :</b>		<b>113.2</b>	<b>70</b>	<b>183.2</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1.	Organic residue from Process	4.65 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures
2.	Distillation Bottom Residue	1.5 TPD	
3.	Spent carbon (Dry)	0.171 TPD	



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4.	Inorganic & Evaporation salt (Process)	8.8 TPD	Pvt Ltd/Authorized AFRF sites
5.	Evaporation Salts non-process	1.2 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
6.	ETP Sludge	1.0 TPD	
7.	Boiler ash	16 TPD	Sold to Cement Brick Manufacturers
8.	a) Detoxified Container / Liners drums, HDPE Carboys, Fiber drums	1500Nos./ month	Disposed to SPCB Authorized agencies after complete detoxification
	b) PP Bags	1600 Kg/month	
9.	Spent Mixed solvents (unrecovered solvents)	15 KLD	Sent to SPCB Authorized agencies
10.	Spent Catalyst	0.494 TPD	Sent to suppliers on buy back basis
11.	Waste oils & Grease	1 Kl. /annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
12.	Used Lead acid Batteries	60 No's/Annum	Sent to suppliers on buy-back basis.
13.	Misc. Waste (spill control waste)	As generated	TSDF
14.	Rejects	As generated	
15.	E- waste	As generated	Authorized re-processor or TSDF
16.	Waste papers & other types of packing scrap	As generated	Sold to scrap vendors
17.	Canteen waste	As generated	Composted on site and reused for greenbelt
18.	Bio Medical Waste	As generated	Sent to SPCB authorized Biomedical waste incinerator
19.	Spent Catalyst	0.494 TPD	Sent back to suppliers for reprocessing
20.	Alpha Pinene	22.08 TPA	Sold to Authorised parties

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

<b>Agenda Item No. 10</b>	<b>M/s. MSN Laboratories Private Limited, Unit-III, Sy. Nos. 111 &amp; 112, Cheriyal (V), Kandi (M), Sangareddy District - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176116/2020 (EC/ Expansion)</b>

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

The industry was established in the year 1995.

The SEAC noted that proponent obtained EC from the MoEF&CC, GoI vide order dt.26.04.2005 for existing unit in the name of M/s. Jupiter Biosciences Limited and EC (expansion for CPM) on 15.04.2008. Later M/s Reddy Pharmaceuticals Limited acquired the assets of M/s. Jupiter Bioscience Limited.

The SEAC noted that proponent obtained CFE (CPM) on 16.09.2016 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.24.11.2016 of TSPCB in the name of M/s. Reddy Pharmaceuticals Limited and the unit operating. M/s. MSN Laboratories Pvt. Ltd has entered into agreement with Reddy Pharmaceutical Limited.

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

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

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

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

Total area is 6.61 Ha, out of which Green area is 2.19 Ha (33.1%).

Nearest human habitation is Cheriya Village is at 1.35 km; Nearest water body is Kaulanpet is at 0.98 km; No Nearest RF from the industry.

Project Cost for proposed expansion is Rs. 192.59 Crores including existing Rs.20.59 Crores. Budget for Environmental protection towards Capital Cost is Rs. 1500 lakhs and Recurring Cost is Rs. 1865 Lakhs/annum. Budget for CER is Rs. 172 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	Abiraterone Acetate	100	3.0
2	Acyclovir	166.67	5.0
3	Apripitant	100	3.0
4	Aripiprazole	16.67	0.5
5	Atorvastatin Calcium	166.67	5.0
6	Azacitidine	6.67	0.2
7	Bosentan	6.67	0.2
8	Bicalutamide	33.33	1.0
9	Bosutinib	66.67	2.0
10	Capecitabine	100	3.0
11	Carbidopa	166.67	5.0
12	Clopidogrel Bisulfate	666.67	20.0
13	Cobisistat	66.67	2.0
14	Crizotinib	16.67	0.5
15	Cyclophosphamide	33.33	1.0
16	DabigatranEtexilateMesylate	100	3.0
17	Dasatinibpropyleneglycol	16.67	0.5
18	DarifenacinHydrobromide	16.67	0.5
19	Deferasirox	66.67	2.0
20	Duloxetine Hydrochloride	166.67	5.0
21	Dutasteride	66.67	2.0
22	Erlotinib Hydrochloride	16.67	0.5
23	Ezetimibe	166.67	5.0
24	Favipiravir	16.67	0.5
25	Febuxostat	66.67	2.0
26	Fexofenadine Hydrochloride	100	3.0
27	Gefitinib	33.33	1.0
28	Gemcitabine Hydrochloride	16.67	0.5
29	Ibrutinib	16.67	0.5
30	Ivacaftor	16.67	0.5
31	Lacosamide	333.33	10.0
32	Linagliptin	33.33	1.0
33	Levetiracetam	166.67	5.0
34	Lurasidone Hydrochloride	33.33	1.0
35	Misoprostol	33.33	1.0
36	Nebivolol Hydrochloride	66.67	2.0
37	Nilotinib	33.33	1.0
38	NintedanibEsylate	16.67	0.5
39	Olanzapine	166.67	

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40	Olmesartan Medoxomil	100	3.0
41	Pantoprazole Sodium Sesquihydrate	166.67	5.0
42	Pazopanib Hydrochloride	33.33	1.0
43	Plerixafor	6.67	0.2
44	Pioglitazone Hydrochloride	100	3.0
45	Posaconazole	33.33	1.0
46	Prasugrel Hydrochloride	16.67	0.5
47	Ranolazine	333.33	10.0
48	Rilpivirine	16.67	0.5
49	Ritonavir	166.67	5.0
50	Rosuvastatin Calcium	33.33	1.0
51	Rufinamide	66.67	2.0
52	Sildenafil Citrate	100	3.0
53	Sildenafil	66.67	2.0
54	Sitagliptin Hydrochloride Monohydrate	166.67	5.0
55	Solifenacin Succinate	33.33	1.0
56	Sumatriptan Succinate	66.67	2.0
57	Telmisartan	66.67	2.0
58	Vigabatrin	66.67	2.0
59	Vildagliptin	66.67	2.0
<b>Maximum 20 Products</b>		<b>3700</b>	<b>111.0</b>
<b>R&amp;D Products</b>		<b>5</b>	<b>0.15</b>
<b>Production Capacity (Maximum 20 Products at any given point of time out of total 59 Products along with R &amp; D Products)</b>		<b>3705</b>	<b>111.15</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b>		
	Existing: 1 TPH (will be removed)	30 m	Multicyclone / bag filter
	Proposed: 2x10 TPH 6 TPH	32 m 30 m	Multicyclone / bag filter Multicyclone / bag filter
2	<b>DG Sets:</b> Existing: 160 KVA & 125 KVA (will be used) Proposed: 3 x 1500 KVA	Adequate height	Acoustic enclosure

The process emissions containing Hydrogen Chloride, Sulphur dioxide, Ammonia, Methylamine, & 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 is diffused with Flame Arrestor.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	151.8	-	151.8
2	Washings	40	-	40
3	QC & R& D	4	-	4
4	Scrubber	12	-	12
5	Boiler Feed	125	-	125
6	Cooling Tower	31	269	300
7	Domestic	60	-	60
8	Gardening	27	-	27
	<b>Total</b>	<b>450.8</b>	<b>269</b>	<b>719.8</b>

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**Details of Effluent generation, treatment & disposal after expansion:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	154.6	-	154.6	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	-	40	40	
3	QC and R&D Lab	-	4	4	
4	Boiler blow down	-	20.8	20.8	
5	Cooling tower bleed of	-	25	25	Treated effluent to be reused in cooling towers.
6	Scrubber	12	-	12	
7	Domestic	-	48	48	
<b>Total :</b>		<b>166.6</b>	<b>137.8</b>	<b>304.4</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1.	Organic residue	3.95 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2.	Spent Carbon	0.3 TPD	
3.	Spent Activated Carbon from Activated Carbon Filter	2.5 TPD	
4.	Distillation Bottom Residue	1 KLD	
5.	Inorganic & Evaporation salt (Process)	8.5 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
6.	Evaporation salt (Non-process)	2.2 TPD	
7.	ETP Sludge	0.7 TPD	Sold to Cement Brick Manufacturers
8.	Boiler Ash	41.6 TPD	
9.	Container and Container Liners	10000 (No's/month)	Disposed to SPCB Authorized agencies after complete detoxification
	HDPE Carboys	10000 (No's/month)	
	Fiber Drums	5000 kg/month	
	PP Bags	5000 (Kg/month)	
10.	Spent Mixed solvents	12KLD	Sent to SPCB Authorized agencies
11.	Spent Catalyst	0.12 TPD	Sent to suppliers on buy back basis
12.	Waste oils & Grease	6 KL /annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
13.	Used Lead acid Batteries	80 No's/Annum	Sent to suppliers on buy-back basis.
14.	Misc. Waste (spill control waste)	As generated	TSDF
15.	Rejects	As generated	
16.	E- waste	As generated	
17.	Waste papers & other types of packing scrap	As generated	Sold to scrap vendors
18.	Canteen waste	As generated	Composted on site and reused for greenbelt
19.	Bio Medical Waste	As generated	Sent to SPCB authorized Biomedical waste incinerator
20.	Non Hazardous waste – Used PPE	15 TPA	Sent to SPCB Authorized Cement industries/ Authorized AFRF industries/ TSDF/GEPIL
21.	Insulation/Glass wool waste	15 TPA	To outside parties
22.	Waste MS/ Aluminium Plastic scrap	60 TPA	Scrap vendors
23.	Paper waste & Misc.	0.5 TPD	Scrap vendors

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

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<b>Agenda Item No. 11</b>	<b>M/s. Aurobindo Pharma Limited, Unit-I, Sy.Nos. 379, 383, 385,386,388 to 396 and 269, Borapatla (V), Hathnora (M), Sangareddy District - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176475/2020 (EC/ Expansion)</b>

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

The industry was established in the year 1992.

The SEAC noted that proponent obtained EC from the MoEF&CC, GoI vide orders dt.23.06.2005 & 30.11.2015 for existing unit.

The SEAC noted that proponent obtained CFE (expansion) on 29.09.2016 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.28.01.2017 of TSPCB. The proponent submitted Self-compliance Report for conditions stipulated in CFO / EC.

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

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

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

Total area is Ac. 128.83 out of which Green area is Ac. 46.33 will be developed for greenbelt (36%).

Nearest human habitation is Bodupatla (V) is at 0.22 km; Nearest water body is Bhima cheruvu is at 0.16 km from the boundary of the project site. However, the production block is at the distance of 320 mts. away from the nearest waterbody and 1.1 km from nearest habitation.

Project Cost for proposed expansion is Rs. 400Crores including existing Rs.275 Crores. Budget for Environmental protection towards Capital Cost is Rs. 1250 lakhs and Recurring Cost is Rs. 3845Lakhs/annum. Budget for CER is Rs. 125 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	Amisulpride	25.00	0.75
2	Aripiprazole	25.00	0.75
3	Atorvastatin	200.00	6
4	Bisoprolol Fumarate	25.00	0.75
5	Bupropion HCl	25.00	0.75
6	Candesartan Cilexetil	50.00	1.5
7	Cefaclor Monohydrate	50.00	1.5
8	Cefadroxil	133.33	4
9	Cefalothin Acid	100.00	3
10	Cefazolin Sodium	100.00	3
11	Cefdinir	116.67	3.5
12	Cefditoren Pivoxil	25.00	0.75
13	Cefepime Hydrochloride	83.33	2.5
14	Cefixime Trihydrate	66.67	2
15	Cefotaxime acid	133.33	4
16	Cefoxitin Sodium	25.00	0.75

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17	Cefpirome Dihydroiodide	10.00	0.3
18	Cefpodoxime Proxetil	133.33	4
19	Cefprozil	150.00	4.5
20	Cefradin	100.00	3
21	Cefsulodine Sodium	25.00	0.75
22	Ceftazidime Dihydrochloride	100.00	3
23	Ceftibuten Dihydrate	100.00	3
24	Ceftiofur Hydrochloride	150.00	4.5
25	Ceftizoxime acid	25.00	0.75
26	Ceftriaxone Disodium Hemiheptahydrate	150.00	4.5
27	Cefuroxime Axetil Crystalline	1175.00	35.25
28	Cephalexin Monohydrate	750.00	22.5
29	Cephapirin Benzathine	25.00	0.75
30	Ciprofloxacin HCl	350.00	10.5
31	Citalopram Hydrobromide	125.00	3.75
32	Doxazosine Mesylate	25.00	0.75
33	Donepezil Hydrochloride	25.00	0.75
34	Entacapone	150.00	4.5
35	Escitalopram Oxalate	100.00	3
36	Famciclovir	100.00	3
37	Florfenicol	200.00	6
38	Fluvastatin Sodium	25.00	0.75
39	Gabapentin	2666.67	80
40	Gemfibrozil	333.33	10
41	Glyburide	100.00	3
42	Irbesartan	166.67	5
43	Lamivudine	50.00	1.5
44	Lisinopril	50.00	1.5
45	Losartan Potassium	166.67	5
46	Metformin Hydrochloride	10000.00	300
47	Metoprolol Succinate	100.00	3
48	Metoprolol Tartrate	400.00	12
49	Mirtazapine	100.00	3
50	Modafinil	50.00	1.5
51	Nevirapine	200.00	6
52	Ondansetron	10.00	0.3
53	Pantoprazole Sodium Sesquihydrate	150.00	4.5
54	Paroxetine Hydrochloride	150.00	4.5
55	Perindopril tert-Butylamine	25.00	0.75
56	Rabeprazole sodium	25.00	0.75
57	Ribavarin	25.00	0.75
58	Risperidone	25.00	0.75
59	Ritonavir	100.00	3
60	Sevelamer Hydrochloride/Carbonate	50.00	1.5
61	Simvastatin	350.00	10.5
62	Stavudine	50.00	1.5
63	Telmisartan	100.00	3
64	Terazosin Hydrochloride	15.00	0.45
65	Terbinafine Hydrochloride	150.00	4.5
66	Topiramate	250.00	7.5
67	Armodafinil	12.50	0.38
68	Canaglitlozin	1.50	0.05
69	Capsosugim Acetate	2.50	0.08
70	Carmustine	0.83	0.03
71	Cobicistat on Silicon Dioxide	5.00	0.15
72	Dapaglifozin	10.00	0.3
73	Dasatinib	7.67	0.23
74	Deferasirox	9.67	0.29

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75	Elvitegravir	7.67	0.23
76	Empagliflozin	3.67	0.11
77	Febuxostat	2.67	0.08
78	Flecainide Acetate	5.00	0.15
79	Glibenclamide	10.00	0.3
80	Lopinavir	12.50	0.38
81	Naloxegol Oxalate	2.67	0.08
82	Olaparib	5.00	0.15
83	Pirfenidone	12.50	0.38
84	Ponatinib Hydrochloride	0.83	0.03
85	Pomalidomide	0.27	0.008
86	Sacrosidase	4.50	0.135
87	Tiopronin	1.00	0.03
88	Tipiracil Hydrochloride	2.67	0.08
89	Vismodegib	1.33	0.04
90	Eluxadoline	5.00	0.15
91	Idelalisib	5.00	0.15
92	NintedanibEsylate	25.00	0.75
93	Sacubitril	25.00	0.75
94	Sorafenib Tosylate	25.00	0.75
95	Trifluridine	2.67	0.08
<b>Maximum production 66 products at any point of time</b>		<b>21075</b>	<b>632.25</b>
<b>R&amp; D products</b>		<b>5</b>	<b>0.15</b>
<b>Total production capacity: 66 products at any point of time + R&amp;D products</b>		<b>21080</b>	<b>632.4</b>

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

S.No.	Utility	Stack Height (mf)	APCE
1	<b>Coal fired Boiler:</b> Existing: 27.5 TPH 8 TPH (standby) 6 TPH Oil fired (Standby) Proposed: 35 TPH (coal fired)	42 m 35 m 30 m 57 m	ESP Multicyclone / bag filter ESP
2	<b>Thermic fluid heater</b> 2 lakh Kcal/hr (Oil fired)	30 m	
3	<b>DG Sets:</b> Existing: 6 x 750 KVA 1000 KVA 2 x 1010 KVA 5 x 1500 KVA Proposed : -4 x 1500 KVA 1000 KVA	Adequate height	Acoustic enclosure

The process emissions containing Hydrogen Chloride, Sulphur dioxide, Ammonia, & Hydrogen Sulphide 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 are diffused with Flame Arrestor.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	502.7	-	502.7
2	Washings	45	-	45
3	QC & R& D	20	-	20
4	Scrubber	30	-	30
5	Boiler Feed	300	-	300

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6	Cooling Tower	422	886	1308
7	Domestic	135	-	135
8	Gardening	130	-	130
9	DM/Softner Regeneration/ RO back wash	40	-	40
10	SRP	25	-	25
11	Water required for decontaminers/ container liners	10	-	10
12	Garment washing	20	-	20
13	Ash Handling	20	-	20
	<b>Total</b>	<b>1699.7</b>	<b>886</b>	<b>2585.7</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	530.4	-	530.4	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers.
2	Washings	-	45	45	
3	QC and R&D Lab	-	20	20	
4	Boiler blow down	-	50	50	
5	Cooling tower bleed of	-	109	109	
6	Scrubber	30	-	30	
7	Domestic	-	108	108	
8	DM/Softner Regeneration/ RO back wash	-	40	40	
9	SRP	25	-	25	
10	Water required for decontaminers/ container liners	-	10	10	
11	Garment washing	-	20	20	
12	Ash Handling	-	20	20	
<b>Total :</b>		<b>585.4</b>	<b>422</b>	<b>1007.4</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1.	Organic residue from Process	17.24 TPD	Cement industries based on calorific value / TSDF/Agencies listed (or) approved by CPCB/SPCB
2.	Spent carbon	1.5 TPD	
3.	Distillation Bottom Residue	5 TPD	
4.	Evaporation salt (Process)	18.9 TPD	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
5.	Inorganic (Process)	4.22 TPD	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
6.	Evaporation salt (Non-Process) Wastewater Evaporation Salts	3 TPD	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
7.	Sludge from waste water pre-treatment (Primary Sludge)	2.4 TPD	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
	Sludge from waste water pre-treatment (Secondary Sludge)	3 TPD	
8	Boiler ash	100 TPD	Sale to Brick Manufacturers
9.	Stripper Waste	3 TPD	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
10.	Inorganic residue from solvent recovery	5 TPD	
11.	Solvents recovered from	100 KL/month	



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	Stripper & Lab instruments		
12.	Mixed Spent solvents	56 KLD	Sent to SPCB Authorized agencies for recovery (or) cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
13.	Containers and Container Liners of Hazardous Chemicals/Waste	50 TPM	Sale to recyclers/outside agencies (or) any agency listed and approved by TSPCB after decontamination
14.	Spent Catalyst	0.3 TPD	Sold to suppliers on buy back basis / Authorized Re-processor
15.	Used Oil/Waste Lubricating Oil	20 KL/annum	Sent to SPCB / CPCB Authorized agencies
16.	Used Lead acid Batteries	500 Nos. / annum	Sent to suppliers on buy-back basis.
17.	Miscellaneous Wastes—Sparkler Filter Pads, Centrifuge Bags, FBD Bags, Nose Masks, Shoe Covers, Head Caps, Hand Gloves	10 TPM	TSDF/Agencies listed (or) approved by CPCB/SPCB
18.	Off Specification Raw Materials/ products	3.5 TPM	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
19.	Miscellaneous Wastes Discarded Molecular Sieves/ Ion-exchange resin	2.5 TPM	
20.	Used glass bottles from laboratories	1 TPM	Sale to recyclers/outside agencies (or) any agency listed and approved by TSPCB after decontamination
21.	Bio medical waste- microbial culture from QC Laboratory	600 kg/month	CBWMTF after autoclave
22.	Waste from Occupational Health Centre/First Aid Centre	5.0 Kgs/month	CBWMTF
23.	Used PPE	1 TPM	Cement Units/ (or) TSDF, (or) any agency listed and approved by TSPCB
24.	Garbage from premises	1.5 TPM	Composting in house
25.	Asbestos	9 TPA	TSDF/Agencies listed (or) approved by CPCB/SPCB
26.	Thermo coal	1 TPM	
27.	Glass/mineral/insulation wool	1.8 TPM	
28.	Cooling tower frills	2.2 TPM	
29.	Gypsum Boards	1 TPA	
30.	Hard Rubber (Electrical Panel Rooms)	0.5 TPA	
31.	Hardened Latex paints / Varnishes/ glues/ resins/ plasticizers	0.5 TPA	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
32.	Waste from first aid centre	5 kg/annum	CBWMTF
33.	Packing material	2 TPM	Sale to recyclers/ outsider vendors
34.	Electrical & Electronic Waste	5 TPA	Ramky Enviro Engineers Limited (or) any agency listed and approved by TSPCB for recycling
35.	Contaminated cotton rags or other cleaning materials	2 TPA	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
36.	Fibre drums/ carton boxes	150 TPA	Shall be sold to recyclers/ sold to scrap vendors
37.	Spent Resin (DM/Softener Plant)	1 TPA	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
38.	Miscellaneous Materials/ Wastes	15 TPA	agency

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

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<b>Agenda Item No. 12</b>	<b>M/s. MSN Pharmachem Private Limited, Unit-III, (formerly M/s. Lakshmi Saras Chemtech Private Limited), Plot Nos. 276 B/1 and 276 C, Phase-III IDA Pashamylaram, Patancheru (M), Sanga Reddy District - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176181/2020 (EC/ Expansion)</b>

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

The industry was established in the year 2011 in the name of M/s. Lakshmi Saras Chemtech.

The SEAC noted that proponent obtained EC (expansion) from the SEIAA vide order dt.22.12.2016. But not implemented.

The SEAC noted that proponent obtained CFE (CPM) on 25.04.2019 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.19.08.2020 of TSPCB valid upto 31.03.2021.

M/s. MSN Pharmachem Private Limited has purchased the assets of M/s. Lakshmi Saras Chemtech Private Limited on dt. 08-07-2020.

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

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

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

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

Total area is 1.5 Ha. out of which Green area is 0.4965 Ha (33.1%).

Nearest human habitation is Isnapur is at 1.66 Km (NW); Nearest water body Pond near Isnapur Village 0.77 km; No Nearest RF from the industry.

Project Cost for proposed expansion is Rs. 103.26 Crores including existing Rs.16.76 Crores. Budget for Environmental protection towards Capital Cost is Rs. 1000 lakhs and Recurring Cost is Rs. 788 Lakhs/annum. Budget for CER is Rs. 8.7 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	Aprepitant	66.67	2.00
2	Aripiprazole	16.67	0.50
3	Asenapine Maleate	66.67	2.00
4	DarifenacinHydrobromide	50.00	1.50
5	Doxepin Hydrochloride	3.33	0.10
6	Febuxostat	50.00	1.50
7	Linagliptin	16.67	0.50
8	Levonilnacipran Hydrochloride	5.00	0.15
9	Lurasidone Hydrochloride	50.00	1.50
10	Memantine Hydrochloride	3.33	0.10
11	Milnacipran Hydrochloride	10.00	0.30

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12	Nebivolol Hydrochloride	166.67	5.00
13	Olmesartan Medoxomil	166.67	5.00
14	Rosuvastatin Calcium	50.00	1.50
15	Sildenafil Citrate	50.00	1.50
16	Sildenafil	66.67	2.00
17	Sitagliptin phosphate Monohydrate	6.67	0.20
18	Sumatriptan Succinate	33.33	1.00
19	Telmisartan	66.67	2.00
20	Ticagrelor	16.67	0.50
<b>Maximum 10 Products</b>		<b>800</b>	<b>24.00</b>
<b>R&amp;D Products</b>		<b>5</b>	<b>0.15</b>
<b>Production Capacity (Maximum 10 Products at any given time out of total 20 products along with R &amp; D Products)</b>		<b>805</b>	<b>24.15</b>

**By-Product**

Sl. No.	By-Product	Quantity (Kg/day)	Quantity (TPM)	Product
1.	Phosphoric Acid	370	11.10	Asenapine Maleate

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

S.No.	Utility	Stack Height (m)	APCE
1	<b>Coal fired Boiler:</b> Existing: 0.5 TPH (will be dismantled) Proposed: 2 TPH 6 TPH 6 TPH	30 m 30 m 30 m 30 m	Multicyclone / bag filter Multicyclone / bag filter Multicyclone / bag filter Multicyclone / bag filter
2	<b>Thermic fluid heater:</b>	-	
3	<b>DG Sets:</b> Existing: 62.5 KVA Proposed: 2 x 1500 KVA. 125 KVA	Adequate height	Acoustic enclosure

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

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1.	Process	33.2	-	33.2
2.	Washings	25	-	25
3.	QC & R&D	3	-	3
4.	Scrubber	4	-	4
5.	Boiler Feed	68	-	68
6.	Cooling Tower	139	101	240
7.	Domestic	22	-	22
8.	Gardening	6	-	6
	<b>Total</b>	<b>300.2</b>	<b>101</b>	<b>401.2</b>

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**Details of Effluent generation, treatment & disposal after expansion:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	33.6	-	33.6	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers.
2	Washings	-	25	25	
3	QC and R&D Lab	-	3	3	
4	Boiler blow down	-	11.2	11.2	
5	Cooling tower	-	20	20	
6	Scrubber	4	-	4	
7	Domestic	-	17.6	17.6	
<b>Total :</b>		<b>37.6</b>	<b>76.8</b>	<b>114.4</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1.	Organic residue	1.23 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL, Infrastructures Pvt Ltd/Authorized AFRF sites
2.	Spent Carbon	0.65 TPD	
3.	Spent Activated Carbon from Activated Carbon Filter	1.5 TPD	
4.	Distillation Bottom Residue	0.3 KLD	
5.	Inorganic & Evaporation salt (Process)	1.54 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL, Infrastructures Pvt Ltd
6.	Evaporation salt (Non-process)	1 TPD	
7.	ETP Sludge	0.3 TPD	
8.	Boiler Ash	22.4 TPD	Sold to Cement Brick Manufacturers
9.	Container and Container Liners	8000 (No's/month)	Disposed to SPCB Authorized agencies after complete detoxification
	HDPE Carboys	5000 (No's/month)	
	Fiber Drums	5000 kg/month	
	PP Bags	3000 (Kg/month)	
10.	Spent Mixed solvents	3 KLD	Sent to SPCB Authorized agencies
11.	Phosphoric Acid	0.37 TPD	Sent to suppliers on buy back basis
12.	Waste oils & Grease	5 Kl. /annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
13.	Used Lead acid Batteries	80 No's/Annum	Sent to suppliers on buy-back basis.
14.	Misc. Waste (spill control waste)	As generated	TSDF
15.	Rejects	As generated	
16.	E- waste	As generated	Authorized re-processor or TSDF
17.	Waste papers & other types of packing scrap	As generated	Sold to scrap vendors
18.	Canteen waste	As generated	Composted on site and reused for greenbelt
19.	Bio Medical Waste	As generated	Sent to SPCB authorized Biomedical waste incinerator
20.	Non Hazardous waste – Used PPE	15 TPA	Sent to SPCB Authorized Cement industries/ Authorized AFRF industries/ TSDF/GEPIL
21.	Insulation/Glass wool waste	15 TPA	To outside parties
22.	Waste MS/ Aluminium Plastic scrap	60 TPA	Scrap vendors
23.	Paper waste & Misc.	0.5 TPD	Scrap vendors

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

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Agenda Item No. 13	M/s. Aurobindo Pharma Limited, Unit-VIII, Sy. Nos 10 & 13, IDA Kazipally, Jinnaram Mandal, Sangareddy District. - Environmental Clearance (Expansion) - Reg.
Proposal No.	SI/TG/IND2/176416/2020 (EC/ Expansion)

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

The unit is taken over from Ranit Pharma Limited, Unit-II in the year 2003 and renamed it as M/s. Aurobindo Pharma Ltd., Unit-VIII.

The SEAC noted that proponent obtained EC from the SEIAA / MoEF&CC, GoI vide order dt.21.06.2005 for existing unit EC (Expansion) 06.02.2016 from SEIAA.

The SEAC noted that proponent obtained CTE (Expansion) on 29.06.2016 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.28.01.2017 of TSPCB valid upto 31.12.2020.

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

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

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

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

Total area is 3.796 Ha, out of which Green area is 1.25 Ha developed for greenbelt(33%).

Nearest human habitation is Chethapotharam(V) is at 0.53 km; Nearest water body is Pond near Chethapotharam is at 0.22km; Nearest RF is Kazipally RF is at 0.25 km from the industry.

Project Cost for proposed expansion is Rs. 120Crores including existing Rs.105 Crores. Budget for Environmental protection towards Capital Cost is Rs. 250 lakhsand Recurring Cost is Rs. 1500Lakhs/annum. Budget for CER is Rs 15 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	Alfuzosine Hydrochloride	10	0.3
2	Amlodipine Besilate	150	4.5
3	Atazanavir Sulphate	50	1.5
4	Benazepril Hydrochloride( NB)	50	1.5
5	Benazepril Hydrochloride	50	1.5
6	Betahistine Hydrochloride	25	0.75
7	Bosentan Monohydrate	25	0.75
8	Carvedilol	125	3.75
9	Clopidogrel bisulfate	150	4.5
10	Didanosine	100	3
11	Domperidone	100	3
12	Domperidone Maleate	100	3

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S.No	Name of Product	Capacity	
		Kg/day	TPM
13	Dutasteride	25	0.75
14	Efavirenz	500	15
15	Entecavir	25	0.75
16	Fexofenadine Hydrochloride	50	1.5
17	Finasteride	25	0.75
18	Fluconazole	75	2.25
19	Fluoxetine	100	3
20	Fondaparinux Sodium	1	0.015
21	Fosinopril	25	0.75
22	Gatifloxacin	5	0.15
23	Hydrochlorothiazide	300	9
24	Meloxicam	250	7.5
25	Olanzapine	12.5	0.375
26	Palonosetron Hydrochloride	0.5	0.015
27	Pramipexole	50	1.5
28	Quinapril	25	0.75
29	Ramipril	100	3
30	Rivastigmine Tartrate	2.5	0.075
31	Sertraline Hydrochloride	500	15
32	Sumatriptan	25	0.75
33	Tadalafil	2.5	0.075
34	Tamsulosin Hydrochloride	10	0.3
35	Tolterodine Tartrate	25	0.75
36	Torsemide	2.5	0.075
37	Trandolapril	10	0.3
38	Zaleplon	50	1.5
39	Zidovudine	250	7.5
40	Zolpidem tartrate	50	1.5
41	Apixaban	0.83	0.025
42	Dofetilide	1.33	0.04
43	Eletriptan Hydrobromide	2.50	0.075
44	Fosaprepitant Dimethylamine	2.5	0.075
45	Glycopyrrolate	0.83	0.025
46	Iloprost	0.33	0.01
47	Isoproterenol Hydrochloride	1	0.03
48	Isosulfan Blue	0.07	0.002
49	Levetiracetam	7.5	0.225
50	Moxifloxacin Hydrochloride Monohydrate	15	0.45
51	Neostigmine Methylsulfate	1.33	0.04
52	Oxybutynin Chloride	3	0.09
53	Paliperidone	0.83	0.025
54	Paliperidone Palmitate	0.83	0.025
55	Pencillamine	1.33	0.04
56	Roflumilast	0.13	0.004
57	Sodium Nitroprusside	2.50	0.075
58	Sofosbuvir	9	0.27
59	(E)-N'-(1-(5-Chloro-2-hydroxy phenyl) ethylidene)-3-((4-methyl piperazin-1-yl)sulfonyl) benzohydrazide (SP2577)	0.83	0.025
60	Tribenoside	5	0.15
61	Velpatasvir	0.5	0.015
<b>Maximum production 40 products at any point of time</b>		<b>3462</b>	<b>103.86</b>
<b>R&amp; D products</b>		<b>5</b>	<b>0.15</b>
<b>Total production capacity: 40 products at any point of time + R&amp;D products</b>		<b>3467</b>	<b>104.01</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 8 TPH 6 TPH 3 TPH Oil fired Proposed: -	30 m 30 m 30 m	Multicyclone / bag filter Multicyclone / bag filter
2	<b>DG Sets:</b> Existing: 2 x 500 KVA 2 x 1010 KVA Proposed : -7 x 1020KVA	Adequate height	Acoustic enclosure

The process emissions containing Hydrogen Chloride&Methyl Chlorideare to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Nitrogen, Carbon monoxideare to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen isdiffused with Flame Arrestor.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	160.8	-	160.8
2	Washings	40	-	40
3	QC & R&D	5	-	5
4	Scrubber	5	-	5
5	Boiler Feed	82	-	82
6	Cooling Tower	42	318	360
7	Domestic	40	-	40
8	Gardening	16	-	16
9	DM/Softner Regeneration/ RO back wash	20	-	20
10	SRP	20	-	20
11	Water required for decontaminers/ container liners	10	-	10
12	Garment washing	15	-	15
13	Ash Handling	5	-	5
	<b>Total</b>	<b>460.8</b>	<b>318</b>	<b>778.8</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	163.2	-	163.2	Zero Liquid Discharge System i.e., HTDS: Stripper, MEI & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers.
2	Washings	-	40	40	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	14	14	
5	Cooling tower bleed of	-	30	30	
6	Scrubber	5	-	5	
7	Domestic	-	32	32	
8	DM/Softner Regeneration/ RO back wash	-	20	20	
9	SRP	20	-	20	
10	Water required for decontaminers / container liners	-	10	10	
11	Garment washing	-	15	15	
12	Ash Handling	-	5	5	
<b>Total :</b>		<b>188.2</b>	<b>171</b>	<b>359.2</b>	

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**Details of Solid Waste after expansion:**

S. No.	Description	Quantity	Mode of Disposal
1.	Organic residue from Process	5.68 TPD	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
2.	Spent carbon	1.25 TPD	
3.	Distillation Bottom Residue	1.5 TPD	
4.	Inorganic & Evaporation salt (Process)	5.8 TPD	Cement industries based on calorific value / TSDF/Agencies listed (or) approved by CPCB/SPCB
5.	Evaporation salt (Non-Process) Wastewater Evaporation Salts	1.6 TPD	
6.	ETP Sludge	1.6 TPD	
7.	Roller ash	22.4 TPD	Sale to Brick Manufacturers
8.	Recovered Stripper Distillate/ Mixed Solvent (from HCOD Waste water Treatment)	40 KL/Month	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
9.	Detoxified Container / Liners drums, HDPE Carboys, Fiber Drums	15 TPM	Internal Use/Sale as Scrap/Agencies listed (or) approved by CPCB/SPCB after complete detoxification/decontamination
10.	Mixed Spent solvents	18 KL/D	Sent to SPCB Authorized agencies for recovery (or) cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
11.	Spent Catalyst	0.05 TPD	Sold to suppliers on buy back basis / Authorized Re-processor
12.	Waste oils & Grease/ Used Mineral oil	15 KL/annum	Sent to SPCB / CPCB Authorized agencies
13.	Used SMF/ Used Lead acid Batteries	80 Nos. / annum	Sent to suppliers on buy-back basis.
14.	Miscellaneous Waste - Sparkler Filter Pads, Centrifuge Bags, FBD Bags, Nose Masks, Shoe Covers, Head Caps, Hand Gloves, helmets, etc.	4 TPM	TSDF/Agencies listed (or) approved by CPCB/SPCB
15.	Off Specification Raw Materials/ products	4 TPM	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
16.	Miscellaneous Wastes - Discarded Molecular Sieves/ Ion-exchange resin	4 TPM	
17.	Glass/PP bottles (small volume up to 2.5 L capacity)	3 TPM	Sale as Scrap / TSDF/ Agencies listed (or) approved by CPCB/SPCB after decontamination
18.	Asbestos	3 TPA	TSDF/Agencies listed (or) approved by CPCB/SPCB
19.	Thermo coal	10 TPA	
20.	Glass/mineral/insulation wool	10 TPA	
21.	Cooling tower frills	5 TPA	
22.	Gypsum Boards	5 TPA	
23.	Hard Rubber (Electrical Panel Rooms)	4 TPA	
24.	Hardened Latex paints / Varnishes/ glues/ resins/ plasticizers	1 TPA	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
25.	Waste from first aid centre	5 kg/annum	CBMWTF
26.	Packing material	30 TPA	Sale to recyclers/ outsider vendors
27.	Electrical & Electronic Waste	1 TPA	Ramky Enviro Engineers Limited or) any agency listed and approved by TSPCB for recycling
28.	Contaminated cotton rags or other	1 TPA	Cement industries / TSDF/Agencies listed



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No.	Description	Quantity	Mode of Disposal
	cleaning materials		(or) approved by CPCB/SPCB
29.	Fibre drums/ carton boxes	50 TPA	Shall be sold to recyclers/ sold to scrap vendors
30.	Spent Resin (DM/Softener Plant)	1 TPA	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB agency
31.	Miscellaneous Materials/ Wastes	8 TPA	
32.	Used /discarded PPEs	0.5 TPA	

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

<b>Agenda Item No. 14</b>	<b>M/s Apichem Laboratories Private Limited, (formerly M/s. Sanorg Laboratories Private limited Established Drug Intermediates Unit) Sy.Nos. 38/AA, 39/A, 40, 40/AA/2, 41/E, 538, 539, 539/A/1, 539/LU, 539/LUU, 539/LUU2, 42/A, 542/AA, 542/RU/1 to 542/RU/6, 542/U, 542/UU, 543/A, 543/AA, 543/U, 543/RU, 546/RU, 546/U and 546/RUU1 at Chollair (V), Yadagirigutta (M), Yadadri-Bhuvanagiri District - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176542/2020 (EC/ Expansion)</b>

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

The industry was established in the year 2006 with CFE dt. 26.06.2006 in name of M/s. Sanorg Laboratories Pvt. Ltd.,

The SEAC noted that proponent obtained EC from the MoEF&CC, GoI vide order dt.20.01.217 for existing unit.

The SEAC noted that proponent obtained CFE on 05.10.2017 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt. 20.04.2019 of TSPCB. Further industry is taken over by M/s. Apichem Laboratories Private Limited on 25.06.2020.

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

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

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

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

Total area is 12.2038Sq.m/Ae/Ha, out of which Green area is 4.04Sq.m/Ae/Ha ( 33.1 %).

Nearest human habitation is Wangapally (V) @ 1.1km; Nearest water body is Peddavagu@ 1.05km; Nearest RF is RayagiriRF @ 5.64 km from the industry.

Project Cost for proposed expansion is Rs. 182.46Crores including existing Rs.17.46Crores. Budget for Environmental protection towards Capital Cost is Rs. 1500 lakhsand Recurring Cost is Rs. 2030 Lakhs/annum. Budget for CER is Rs. 165 lakhs in first 5 years.

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

  
**CHAIRMAN, SEAC**

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Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Abacavir Sulfate	66.67	2
2	Acyclovir	133.33	4
3	Apripitant	66.67	2
4	Asenapine Maleate	66.67	2
5	Atazanavir Sulfate	50.00	1.5
6	Atorvastatin Calcium	16.67	0.5
7	AzilsartanMedoximil	40.00	1.2
8	Bicetegravir Sodium	16.67	0.5
9	Bosentan	16.67	0.5
10	Candesartan	33.33	1
11	Clopidogrel Bisulfate	400.00	12
12	Cobisistat	66.67	2
13	DabigatranEtexilateMesylate	166.67	5
14	DaclatasvirDihydrochloride	66.67	2
15	DarifenacinHydrobromide	50.00	1.5
16	Darunavir	200.00	6
17	Dolutegravir Sodium	16.67	0.5
18	Domperidone	133.33	4
19	Duloxetine Hydrochloride	66.67	2
20	Entecavir	16.67	0.5
21	Escitalopram Oxalate	33.33	1
22	Esomeprazole Magnesium Trihydrate	33.33	1
23	Etravirine	33.33	1
24	Ezetimibe	33.33	1
25	Favipiravir	33.33	1
26	Febuxostat	66.67	2
27	Fexofenadine Hydrochloride	133.33	4
28	Fluconazole	166.67	5
29	Gabapentin	166.67	5
30	Grazoprevir Potassium	16.67	0.5
31	Itraconazole	33.33	1
32	Lacosamide	133.33	4
33	Lamivudine	50.00	1.5
34	Lansoprazole	33.33	1
35	Ledipasvir	33.33	1
36	Levetiracetam	166.67	5
37	LevodetrazineDihydrochloride	66.67	2
38	Levomilnacipran Hydrochloride	50.00	1.5
39	Lopinavir	83.33	2.5
40	Losartan Potassium	83.33	2.5
41	Lurasidone Hydrochloride	33.33	1
42	Mirabegron	100.00	3
43	Nebivolol Hydrochloride	66.67	2
44	Pantoprazole Sodium Sesquihydrate	66.67	2
45	Penicillamine	33.33	1
46	Pioglitazone Hydrochloride	50.00	1.5
47	Prazosin Hydrochloride	33.33	1
48	Pregabalin	166.67	5
49	Rabeprazole Sodium	83.33	2.5
50	Remdesivir	33.33	1
51	Rilpivirine	3.33	0.1
52	Ritonavir	166.67	5
53	Rosuvastatin Calcium	33.33	1
54	Rufinamide	66.67	

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55	OlmesartanMedoxomil	166.67	5
56	Omeprazole	166.67	5
57	Ornidazole	333.33	10
58	Oseltamivir Phosphate	166.67	5
59	Sacubitril and Valsartan	134.00	4.02
60	SaquinavirMesylate	33.33	1
61	Sildenafil Citrate	166.67	5
62	Silodosin	50.00	1.5
63	Sitagliptin phosphate Monohydrate	166.67	5
64	Sofosbuvir	16.67	0.5
65	Sumatriptan Succinate	16.67	0.5
66	Tamsulosin Hydrochloride	3.33	0.1
67	Tapentadol Maleate	66.67	2
68	Tapentadol Tartrate	66.67	2
69	Tapentadol Hydrochloride	66.67	2
70	Telaprevir	33.33	1
71	Telmisartan	66.67	2
72	TenofovirAlafenamideFumarate	166.67	5
73	TenofovirDisoproxilFumarate	666.67	20
74	Ticagrelor	100.00	3
75	Tramadol Hydrochloride	333.33	10
76	Valsartan	33.33	1
77	Vigabatrin	66.67	2
78	Vildagliptin	83.33	2.5
<b>Maximum 20 Products</b>		<b>4334</b>	<b>130.02</b>
<b>R&amp;D Products</b>		<b>5</b>	<b>0.15</b>
<b>Production Capacity (Maximum 20 Campaign Products out of 78 products and R&amp;D products at any point of time)</b>		<b>4339</b>	<b>130.17</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 2 TPH (will be removed) 4 TPH Proposed: 10 TPH 10 TPH 6 TPH	30 m 30 m 32 m 32 m 30 m	Multicyclone / bag filter Multicyclone / bag filter Multicyclone / bag filter Multicyclone / bag filter Multicyclone / bag filter
2	<b>DG Sets:</b> Existing: 125 kVA(will be removed) Proposed : - 6 x 1500 KVA	Adequate height	Acoustic enclosure

The process emissions containing Hydrogen Chloride, Sulphur dioxide, Ammonia, Methylamine, Hydrogen Bromide & Hydrogen Fluoride 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, 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	193.4	-	193.4
2	Washings	35	-	35
3	QC & R& D	5	-	5

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4	Scrubber	12	-	12
5	Boiler Feed	208	-	208
6	Cooling Tower	311	346	657
7	Domestic	40	30 (Fresh water RO rejects for flushing)	70
8	Gardening	50	-	50
	<b>Total</b>	<b>854.4</b>	<b>376</b>	<b>1230.4</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	204.8	-	204.8	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers.
2	Washings	-	35	35	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	24	24	
5	Cooling tower bleed off	-	55	55	
6	Scrubber	12	-	12	
7	Domestic	-	56	56	
<b>Total :</b>		<b>216.8</b>	<b>175</b>	<b>391.8</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1.	Organic residue	9.8 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2.	Spent Carbon	0.5 TPD	
3.	Spent Activated Carbon from Activated Carbon Filter	2 TPM	
4.	Distillation Bottom Residue	2 TPD	
5.	Inorganic & Evaporation salt (Process)	19.1 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
6.	Evaporation salt (Non-process)	2.5 TPD	
7.	ETP Sludge	1 TPD	
8.	Boiler Ash	48 TPD	Sold to Cement Brick Manufacturers
9.	Container and Container Liners	10000 (No's/month)	Disposed to SPCB Authorized agencies after complete detoxification
	HDPE Carboys	10000 (No's/month)	
	Fiber Drums	5000 kg/month	
	PP Bags	5000 (Kg/month)	
10.	Spent Mixed solvents	25KLD	Sent to SPCB Authorized agencies
11.	Spent Catalyst	0.12 TPD	Sent to suppliers on buy back basis
12.	Waste oils & Grease	12 KL /annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
13.	Used Lead acid Batteries	80 No's/Annum	Sent to suppliers on buy-back basis.
14.	Misc. Waste (spill control waste)	Lumpsum	TSDF
15.	Rejects	Lumpsum	
16.	E- waste	Lumpsum	Authorized re-processor or TSDF
17.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
18.	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
19.	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
20.	Non Hazardous waste - Used PPE	15 TPA	Sent to SPCB Authorized Cement

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			industries/ Authorized AFRF industries/ TSD/GEPL
21	Insulation/Glass wool waste	15 TPA	To outside parties
22.	Waste MS/ Aluminium Plastic scrap	60 TPA	Scrap vendors
23.	Paper waste & Misc.	0.5 TPD	Scrap vendors

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

<b>Agenda Item No. 15</b>	<b>M/s. SVK Organics Private Limited, Sy.No.s. 606/A, 606/A/2, 607/A, 607/A/2, and 619 in Palleshabad (V), Thurkapally (M), Yadadri-Rhuvanagiri District - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/175988/2020 (EC)</b>

The SEAC deferred the project, as the proponent did not attend the meeting.

Hence, the SEAC decided to inform the proponent to submit a letter stating willingness to consider their proposal in the SEAC meeting.

<b>Agenda Item No. 16</b>	<b>M/s. Kopalle Pharma Chemicals Private Limited, Plot Nos.D-133,130,127,124, Phase-III, Industrial Development Area (IDA), Jeedimetla (V), Quthubullapur (M), Medchal-Malkajgiri District - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176151/2020 (EC/ Expansion)</b>

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

The industry was established in the year 1988 to manufacture Bulk Drugs.

The SEAC noted that proponent obtained EC from the MoE&F, Govt vide order dt.17.02.2006 for existing unit. But, PCB not issued CFE due to Ban notification.

The SEAC noted that proponent obtained CFE (CPM) on 14.02.2019 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.04.03.2020 of TSPCB valid upto 31.01.2021.

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

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

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

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

Total area is 1.7314 Ha, out of which Green area is 0.5792 Ha (33.45 %).

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Nearest human habitation is Apurupa Colony is at 0.15 km; Nearest water body is Fox sagar (Kottacherry) is at 1.65 Km; Nearest RF Dulapalle RF (Rocky Knob) is at 0.51 km from the industry.

Project Cost for proposed expansion is Rs. 43.55 Crores including existing Rs.23.55Crores. Budget for Environmental protection towards Capital Cost is Rs. 450 lakhs and Recurring Cost is Rs. 780 Lakhs/annum. Budget for CER is Rs. 30 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
49.	Amlodipine Besylate	300.00	9.00
50.	1-(Mercaptomethyl) Cyclopropane acetic acid	66.67	2.00
51.	(2R,3R)-2-((1R)-1-[3,5-Bis (Trifluoro methyl) phenyl] ethoxy)-3-(4-Fluoro phenyl) morpholine L-(-) Camphor-10-sulfonic acid	66.67	2.00
52.	6-Fluoro-3-(4-piperidinyl)-1,2-benzisoxazole Hydrochloride	166.67	5.00
53.	Ketoconazole	100.00	3.00
54.	Etoricoxib	233.33	7.00
55.	Cis-Tosylate	166.67	5.00
56.	Nalidixic acid	200.00	6.00
57.	Ketorolac Tromethamine	100.00	3.00
58.	Loperamide Hydrochloride	100.00	3.00
59.	Montelukast Sodium	100.00	3.00
60.	Loratadine	100.00	3.00
61.	1-(6-Methyl-3-pyridinyl)-2-[4-(methyl sulfonyl) phenyl] ethanone (Ketosulfone)	200.00	6.00
62.	2,6-Dihydroxy Acetophenone	100.00	3.00
63.	5,6,7,8-Tetrahydro naphthalene-1-carboxylic acid	33.33	1.00
64.	3,4-Dimethoxy-6-bromo-benzyl bromide	1133.33	34.00
65.	2,3-Dihydro-5,6-dimethoxy-2-(4-piperidinyl)-methyl-indan-1-one p-Toluenesulfonate	133.33	4.00
66.	Paliperidone	33.33	1.00
67.	Risperidone	66.67	2.00
68.	Sodium Cromoglycate	66.67	2.00
69.	4-Amino-2-methyl-10H-thieno [2,3-b] [1,5] benzodiazepine Hydrochloride	133.33	4.00
70.	3-(2-Chloroethyl)-6,7,8,9-tetrahydro-9-hydroxy-2-methyl-4H-pyrido [1,2-α] pyrimidine-4-one	66.67	2.00
71.	3-(2-Chloroethyl)-2-methyl-6,7,8,9-tetrahydro-4H-pyrido [1,2-α] pyrimidine-4-one Hydrochloride	233.33	7.00
72.	Lamotrigine	133.33	4.00
73.	Sodium cyanoborohydride	66.67	2.00
74.	Risedronate Sodium Hemipentahydrate	100.00	3.00
75.	Phthalimido Amlodipine	166.67	5.00
76.	Losartan Potassium	166.67	5.00
77.	2-(2-(3-(2-(7-Chloro-2-quinolinyl)-ethenylphenyl)-3-hydroxypropyl)phenyl)-2-propanol	166.67	5.00
78.	2-[1-(Mercaptomethyl) cyclopropyl] acetic acid	66.67	2.00
79.	Moxifloxacin Hydrochloride	100.00	3.00
80.	Lacosamide	66.67	2.00
81.	Olmesartan Medoxomil	66.67	2.00
82.	Abacavir Sulfate	66.67	2.00

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83.	TenofovirDisoproxilFumarate	66.67	2.00
84.	Itraconazole	100.00	3.00
85.	Vildagliptin	66.67	2.00
86.	PiroctoneOlamine	166.67	5.00
87.	Hydroxychloroquine Sulfate	66.67	2.00
88.	Favipiravir	100.00	3.00
89.	2-Chloro-5-bromopyridine	166.67	5.00
<b>Production Capacity (Maximum 9 Products at any given time out of total 41 products)</b>		<b>2800</b>	<b>84</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b>		
	Existing: 2TPH	30 m	Multicyclone / bag filter
	Proposed: 2 TPH(standby) 6 TPH	30 m 30 m	Multicyclone / bag filter Multicyclone / bag filter
2	<b>Thermic fluid heater:</b>	-	
3	<b>DG Sets:</b>		
	Permitted: 2 x 125 KVA (standby) Proposed: 500 KVA, 250 KVA	Adequate height	Acoustic enclosure

The process emissions containing Hydrogen Chloride, Hydrogen Bromide, Bromine and 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 are diffused with Flame Arrestor.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
9.	Process	39.2	-	39.2
10.	Washings	15	-	15
11.	QC & R&D	5	-	5
12.	Scrubber	12	-	12
13.	Boiler Feed	32	-	32
14.	Cooling Tower	-	78	78
15.	Domestic	12	-	12
16.	Gardening	7	-	7
	<b>Total</b>	<b>122.2</b>	<b>78</b>	<b>200.2</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	45.4	-	45.4	Zero Liquid Discharge System i.e., HTDS: Stripper, MEF & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers.
2	Washings	-	15	15	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	4	4	
5	Cooling tower	-	6	6	
6	Scrubber	10	-	10	
7	Domestic	-	10	10	
<b>Total :</b>		<b>55.4</b>	<b>40</b>	<b>95.4</b>	

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**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
21.	Organic residue	2.21 TPD	Sent to SPCB Authorized Cement industries or to TSDf for Incineration/GEPII. Infrastructures Pvt Ltd/Authorized AFRF sites
22.	Spent Carbon	0.17 TPD	
23.	Spent Activated Carbon from Activated Carbon Filter	1.81PM	
24.	Distillation Bottom Residue	0.6 TPD	
25.	Inorganic & Evaporation salt (Process)	4.34 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDf for landfill/GEPII Infrastructures Pvt Ltd
26.	Evaporation salt (Non-process)	0.5 TPD	
27.	ETP Sludge	0.8 TPD	
28.	Boiler Ash	12.8 TPD	Sold to Cement Brick Manufacturers
29.	Container and Container Liners	1000 (No's/month)	Disposed to SPCB Authorized agencies after complete detoxification
	HDPE Carboys	1000 (No's/month)	
	Fiber Drums	1000 kg/month	
	PP Bags	1000 (Kg/month)	
30.	Spent Mixed solvents	10 KLD	Sent to SPCB Authorized agencies
31.	Spent Catalyst	0.18 TPD	Sent to suppliers on buy back basis
32.	Waste oils & Grease	1 KL /annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
33.	Used Lead acid Batteries	80 No's/Annum	Sent to suppliers on buy-back basis.
34.	Misc. Waste (spill control waste)	Lumpsum	TSDf
35.	Rejects	Lumpsum	Authorized re-processor or TSDf
36.	E- waste	Lumpsum	
37.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
38.	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
39.	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
40.	Non Hazardous waste – Used PPE	3 TPA	Sent to SPCB Authorized Cement industries/ Authorized AFRF industries/ TSDf/GEPII
41.	Insulation/Glass wool waste	5 TPA	To outside parties
42.	Paper waste & Misc.	0.2 TPD	Scrap vendors

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

<b>Agenda Item No. 17</b>	<b>M/s. MSN Life Sciences Private Limited, Unit-IV, (formerly M/s. Siris Crop Science Limited), Sy.Nos. 30, 33, 35, 36, 37, 38, 57, 58, 59, 809 and 821, Mambapur (V), Gummadidala (M), Sangareddy District (Expansion) - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176604/2020 (EC/ Expansion)</b>

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

The industry was established in the year 2003 in the name of M/s. Siris Crop Science Limited.

The SEAC noted that proponent obtained CFE (CPM) on 13.08.2009 for manufacture of Bulk Drug



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M/s. MSN Life Sciences Private Limited, Unit-IV has taken the assets of M/s. Siris Crop Science Limited., the unit is sick and not in operation.

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 BMP report and noted the details of the project as follows:

Total area is 8.903 Ha, out of which Greenbelt is 3.04 Ha (34.1%).

Nearest human habitation is Gummadidala village is at 0.47 Km; Nearest water body is Adjacent to pond near Gummadidala; Nearest RL' is Narsapur RF Block is at 0.46 km from the industry.

Project Cost for proposed expansion is Rs. 159.54Crores including existing Rs.9.54Crores. Budget for Environmental protection towards Capital Cost is Rs. 1500 lakhs and Recurring Cost is Rs. 2425Lakhs/annum. Budget for CER is Rs. 150 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	Amlodipine	133.33	4.00
2	Carvedilol	166.67	5.00
3	Clopidogrel Bisulfate	333.33	10.00
4	Darunavir	66.67	2.00
5	Doxazosin Mesylate	8.33	0.25
6	Duloxetine Hydrochloride	166.67	5.00
7	Enalapril Maleate	333.33	10.00
8	Escitalopram Oxalate	33.33	1.00
9	Fexofenadine Hydrochloride	16.67	0.50
10	Fluconazole	66.67	2.00
11	Levocetirizine Dihydrochloride	13.33	0.40
12	Moxifloxacin Hydrochloride	166.67	5.00
13	Memantine Hydrochloride	66.67	2.00
14	Olanzapine	33.33	1.00
15	Rabeprazole Sodium	166.67	5.00
16	Ranolazine	66.67	2.00
17	Tamsulosin Hydrochloride	166.67	5.00
18	Vigabatrin	66.67	2.00
19	Safinamide	100	3.00
20	Sitagliptin phosphate Monohydrate	33.33	1.00
<b>All products at a time</b>		<b>2205</b>	<b>66.15</b>
<b>R &amp; D Products</b>		<b>5</b>	<b>0.15</b>
<b>Total Production (All products at a time along with R&amp;D Products)</b>		<b>2210</b>	<b>66.3</b>

**List of By-products:**

Sl. No	Products	Quantity Kg/day	Product from
1	Dil HCl (12%)	4460	Fluconazole
2	Spent Acetic Acid	1604	Amlodipine Maleate
3	Spent H <sub>2</sub> SO <sub>4</sub>	792	Rabeprazole Sodium

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b>		
	Existing: 10 TPH Husk Fired (removed)	32 m	Multicyclone / bag filter
	Proposed: 10 TPH Coal fired	32 m	Multicyclone / bag filter
	10 TPH Coal fired 6 TPH Coal fired	32 m 30 m	Multicyclone / bag filter Multicyclone / bag filter
2	<b>DG Sets:</b> Existing: 180 KVA, 320 KVA, 380 KVA & 780 KVA  Proposed : 1010 KVA 1500 KVA 250 KVA	Adequate height	Acoustic enclosure

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

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	108.9	-	108.9
2	Washings	25	-	25
3	QC & R&D	5	-	5
4	Scrubber	10	-	10
5	Boiler Feed	125	-	125
6	Cooling Tower	196	224	420
7	Domestic	60	-	60
8	Gardening	38	-	38
	<b>Total</b>	<b>567.9</b>	<b>224</b>	<b>791.9</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	105.7	-	105.7	Zero Liquid Discharge System i.e., <b>HTDS:</b> Stripper, MEE & ATFD. <b>LTDS:</b> Biological ETP & RO.  Treated effluent to be reused in cooling towers.
2	Washings	-	25	25	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	21	21	
5	Cooling tower bleed of	-	35	35	
6	Scrubber	10	-	10	
7	Domestic	-	48	48	
<b>Total :</b>		<b>115.7</b>	<b>134</b>	<b>249.7</b>	

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**Details of Solid Waste after expansion:**

S. No	Description	Quantity	Mode of Disposal
1.	Organic residue	8.62 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd/Authorized AFRF sites
2.	Spent Carbon	0.81 TPD	
3.	Spent Activated Carbon from Activated Carbon Filter	1.5 TPM	
4.	Distillation Bottom Residue	1 KLD	
5.	Inorganic & Evaporation salt (Process)	7.3 TPD	Sent to SPCB Authorized Cement industries/ Authorized AFRF sites or to TSDF for landfill/GEPIL Infrastructures Pvt Ltd
6.	Evaporation salt (Non-process)	2 TPD	
7.	ETP Sludge	0.6 TPD	
8.	Boiler Ash	41.6 TPD	Sold to Cement Brick Manufacturers
9.	Container and Container Liners	10000 (No's/month)	Disposed to SPCB Authorized agencies after complete detoxification
	HDPE Carboys	5000 (No's/month)	
	Fiber Drums	5000 kg/month	
	PP Bags	5000 (Kg/month)	
10.	Spent Mixed solvents	15 KLD	Sent to SPCB Authorized agencies
11.	Spent Catalyst	0.02 TPD	Sent to suppliers on buy back basis
12.	Waste oils & Grease	10 KL /annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
13.	Used Lead acid Batteries	80 No's/Annum	Sent to suppliers on buy-back basis.
14.	Misc. Waste (spill control waste)	Lumpsum	TSDF
15.	Rejects	Lumpsum	
16.	E- waste	Lumpsum	
17.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors Composted on site and reused for greenbelt
18.	Canteen waste	Lumpsum	
19.	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
20.	Non Hazardous waste - Used PPE	15 TPA	Sent to SPCB Authorized Cement industries/ Authorized AFRF industries/ TSDF/GEPIL
21.	Insulation/Glass wool waste	15 TPA	To outside parties
22.	Waste MS/ Aluminium Plastic scrap	60 TPA	Scrap vendors
23.	Paper waste & Misc.	0.5 TPD	Scrap vendors
24.	Dil HCl (12%)	4.5 TPD	Sold to Authorized parties
25.	Spent Acetic Acid	1.604 TPD	
26.	Spent H <sub>2</sub> SO <sub>4</sub>	0.792 TPD	

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

<b>Agenda Item No. 18</b>	<b>M/s. Maha Sai Laboratories, Sy.Nos.182/A, 171, 171P, 177, 179, Gunmadidala (V), &amp; (M), Sangareddy District. - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SLA/TG/IND2/176914/2020 (EC/ Expansion)</b>

The representative of the project proponent Sri Madhusudhan 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 present proposal activity of the proponent is solvent recovery from spent solvents and proposing for manufacture of APIs and the proposal comes under new activity / industry and attracts Ban notifications vide G.O.Ms. No. 95, dt. 21.09.2007 of the EPS&T Dept., GoAP; G.O.Ms.No.24 dt.24.04.2019; Hon'ble NGT order dt.24.10.2017, hence recommended to reject.

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<b>Agenda Item No. 19</b>	<b>M/s. New Genies Labs Private Limited, Sy.No.273, 274 &amp; 467, Bonthapally (V), Gummadidala (M), Sangareddy-District. - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>STA/TG/IND2/176798/2020 (EC/ Expansion)</b>

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

The industry was established in the year 2003 in the name of Alkali Metals Pvt. Ltd., and the unit was acquired by M/s. SKR Labs Pvt Ltd., in the year 2011.

A new company in the name of M/s. New Genies Labs Pvt. Ltd., was incorporated on 02.08.2019 by the Directors of M/s. SKR Labs and proposes for expansion of existing plant premises in the name of M/s. New Genies Labs Pvt. Ltd., the unit is not in operation.

The proponent is operating the unit with latest CFO order dt.18.06.2018 of TSPCB valid upto 31.03.2023.

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

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

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

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

Total area is 0.79916 Ha, out of which Green area is 0.2768 Ha (34.65%).

Nearest human habitation is Bonthapally village is at 0.2km; Nearest water body is Rajanalacheruvu ist at 1.2km; Nearest RF is Narsapur RF is at 1.7 km from the industry.

Project Cost for proposed expansion is Rs. 27.7Crores including existing Rs.10.22Crores. Budget for Environmental protection towards Capital Cost is Rs. 320 lakhs and Recurring Cost is Rs. 510Lakhs/annum. Budget for CER is Rs. 41.55 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	2',3'-Di-O-Acetyl-5'-deoxy-5-fluoro-D-ctidine (Capacitabine Intermediate)	50	1.5
2	(S, Z)-5-Amino-2-(dibenzylamino)-1, 6-diphenylhex-4-en-3-one (Lopinavir Intermediate)	166.7	5
3	Vildagliptin	33.33	1
4	5-Cyanophthalide	200	6
5	Formamidine Acetate	100	3
6	TritylTetrazoleBromomethyl Biphenyl	133.33	4
7	tert-Butyl-2-((4R, 6R)-6-(2-aminoethyl)-2,2-dimethyl-1,3-dioxan-4-yl) acetate (Atorvastatin Intermediate)	266.67	8
8	(E)-3-amino-3-imino-2-(phenyldiazenyl) propanamide Hydrochloride (Temozolomide Intermediate)	200	6
9	(+)-2-(2-Chlorophenyl)-N-(2-thienyl) ethyl) glycine methyl ester hydrochloride (Clopidogrel Intermediate)	66.67	2
10	(R)-[[2-(6-Amino-9H-purin-9-yl)-1-methylethoxy]methyl] phosphonic acid (Tenofovir Intermediate)	100	

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11	Pyridine-2-(chloro ethyl)-4-(3-methoxy propoxy)-3-methyl Hydrochloride (Rabeprazole Intermediate)	100	3
12	2[(4-Chloro-3-Methyl-2-Pyridinyl-Methyl) Thio]-1H Benzimidazole (Rabeprazole Intermediate)	133.33	4
13	2-Chloro methyl-3,5-dimethyl-4-methoxy pyridine Hydrochloride (Omeprazole Intermediate)	166.67	5
14	2-Butyl-1,3-diazaspiro [4,4]non-1-ene-4-one Hydrochloride (Irbesartan intermediate)	138.67	4.16
15	Gemcitabine Hydrochloride	13.33	0.4
16	Clopidogrel Bisulfate	50	1.5
17	Dasatinib	6.67	0.20
18	Tenofovir disoproxil fumarate	66.67	2
19	Levetiracetam	100	3
20	Telmisartan	33.33	1
21	Acyclovir	33.33	1
22	Rabeprazole Sodium	50	1.5
23	Irbesartan	66.67	2
24	Olmesartan Medoxomil	33.33	1
25	Sitagliptin	66.67	2
	R&D	5	0.15
<b>Production Capacity (Maximum 6 Products at any given point of time out of total 24 Products along with R &amp; D Products)</b>		<b>1143.67</b>	<b>34.31</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 0.5 TPH (will be removed)	30 m	Multicyclone / bag filter
	Proposed: 4 TPH	30 m	Multicyclone / bag filter
2	<b>DG Sets:</b> Existing: 125 KVA (will be removed) Proposed : 2 x 800 KVA	Adequate height	Acoustic enclosure

The process emissions containing Hydrogen Chloride, Sulphur dioxide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen 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	18	-	18
2	Washings	10	-	10
3	QC & R& D	2	-	2
4	Scrubber	6	-	6
5	Boiler Feed	16	-	16
6	Cooling Tower	12	48	60
7	Domestic	6	-	6
8	Gardening	3	-	3
	<b>Total</b>	<b>73</b>	<b>48</b>	<b>121</b>

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**Details of Effluent generation, treatment & disposal after expansion:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	20.2	-	20.2	Zero Liquid Discharge System ie., HTDS: Stripper, MFE & AUFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers.
2	Washings	-	10	10	
3	QC and R&D Lab	-	2	2	
4	Boiler blow down	-	4	4	
5	Cooling tower bleed of	-	6	6	
6	Scrubber	5	-	5	
7	Domestic	-	5	5	
<b>Total :</b>		<b>25.2</b>	<b>27</b>	<b>52.2</b>	

**Details of Solid Waste after expansion:**

S. No	Description	Quantity	Disposal
1.	Organic residue from Process	2.62 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd
2.	Distillation Bottom Residue	0.5 TPD	
3.	Spent carbon (Dry)	0.19 TPD	
4.	Inorganic & Evaporation salt (Process)	2.63 TPD	Sent to SPCB Authorized Cement industries or to TSDF for Incineration/GEPIL Infrastructures Pvt Ltd
5.	Evaporation Salts non-process	0.3 TPD	
6.	ETP Sludge	0.2 TPD	
7.	Boiler ash	9.6 TPD	Sent to Brick Manufacturers
8.	a) Detoxified Container / Liners drums, HDPE Carboys, Fiber drums	500Nos./ month	Disposed to SPCB Authorized agencies after complete detoxification
	b) PP Bags	1000 Kg/month	
9.	Spent Mixed solvents (unrecovered solvents)	4 KLD	Sent to SPCB Authorized agencies
10.	Spent Catalyst	0.05 TPD	Sent to suppliers on buy back basis
11.	Waste oils & Grease	0.8 KL/annum	Sent to SPCB Authorized agencies for reprocessing
12.	Used Lead acid Batteries	50 Nos. / annum	Sent to suppliers on buy-back basis.
13.	Misc. Waste (spill control waste)	Lumpsum	TSDF
14.	Rejects	Lumpsum	
15.	E- waste	Lumpsum	Authorized re-processor or TSDF
16.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
17.	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
18.	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator

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

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<b>Agenda Item No. 20</b>	<b>M/s. MSN Laboratories Pvt. Limited, (R &amp; D, Pilot Plant &amp; Biotech Division), Plot No 12, Phase-IV, Sy. No.119 to 140, 258, 275 to 280, IDA Pashamylaram Village, Patancheru Mandal, Sangareddy District of Telangana State and at Sy.Nos. 86/A, 86/AA1, 86/AA2, 86/E, 86/EE, 88/A/1, 87/A1, 87/A2, 88/A2, 88/AA1, 88/AA2, 88/EE, 88/A/3, 88/A/4, 88/E1, 88/E2, 88/E3, 89 located in Pashamylaram (V), Patancheru (M), Sangareddy District. - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176693/2020 (EC/ Expansion)</b>

The representative of the project proponent Sri Uday Kumar 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 present activity of the proponent is R&D facility and proposing for manufacture of APIs and Biotechnology products i.e., the proposal comes under new activity / industry and attracts Ban notifications vide G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms.No.24 dt.24.04.2019; Hon'ble NGT order dt.24.10.2017, hence recommended to reject.

<b>Agenda Item No. 21</b>	<b>M/s. MSN Life Sciences Pvt. Ltd., Unit V, (Formerly Known as Ameya Laboratories Limited (formerly M/s. Anus Laboratories Limited), Sy.No.17, Chilakamarri (V), Shadnagar (M), Rangareddy District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176655/2020 (EC/ Expansion)</b>

The representative of the project proponent Sri Nagamallesham 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 proponent has not submitted the details of existing activity such as pollution loads, self certification on compliance of Consent order. The proponent was instructed to submit the same for further review.

<b>Agenda Item No. 22</b>	<b>M/s. Sahasra Laboratories Private Limited, Sy. No.144, Pittampally (V), Chityal (M), Nalgonda District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/175987/2020 (EC)</b>

The representative of the project proponent Sri M. Nagender 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 proposal is for establishment of API manufacturing unit.

The seac noted that the proponent has obtained CFE in the year 2004 and was expired in the year 2009. They have not started any construction activity and comes under greenfield project.

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

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

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

Total area is 4.0509 Ha, out of which Greenbelt is 1.46 Ha (36.04%).

Nearest human habitation is at 790 mts; Nearest water body is Bonogoni chervu is at 1.40 km in North direction from the proposed site.

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Project Cost for proposed expansion is Rs. 112.2Crores. Budget for Environmental protection towards Capital Cost is Rs. 700 lakhs and Recurring Cost is Rs. 920 Lakhs/annum. Budget for CER is Rs. 112 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.	Carvedilol	666.67	20.00
2.	Citalopram Hydrobromide	200.00	6.00
3.	Dapoxetine Hydrochloride	40.00	1.20
4.	Duloxetine Hydrochloride	200.00	6.00
5.	Escitalopram Oxalate	133.33	4.00
6.	Nebivolol	80.00	2.40
7.	Ondansetron Hydrochloride Dihydrate	466.67	14.00
8.	Racemadotril	30.00	0.90
9.	Ranolazine	400.00	12.00
10.	Repaglinide	40.00	1.20
11.	Rivastigmine Hydrogen tartrate	200.00	6.00
12.	Sitagliptin Phosphate	100.00	3.00
13.	Tolterodine Tartrate	40.00	1.20
14.	Topiramate	20.00	0.60
15.	Valsartan	266.67	8.00
16.	Vildagliptin	40.00	1.20
17.	Ziprasidone	120.00	3.60
18.	Apixaban	166.67	5.00
19.	Mirabegron	100.00	3.00
20.	Rivaroxaban	100.00	3.00
21.	Favipiravir	100.00	3.00
22.	Remdesivir	100.00	3.00
23.	2,2-Dimethyl-1,3-dioxane-4,6-dione (Meldrum's acid)	100.00	3.00
24.	Dabigatran Etxilate Mesylate	100.00	3.00
25.	Imatinib Mesylate	100.00	3.00
26.	Tamsulosin Hydrochloride	100.00	3.00
27.	Capecitabine	100.00	3.00
28.	Enzalutamide	100.00	3.00
29.	Gemcitabine Hydrochloride	100.00	3.00
30.	Gefitinib	100.00	3.00
31.	Pemetrexed Disodium Nonahydrate	100.00	3.00
32.	Pomalidomide Tosylate	100.00	3.00
33.	Palbociclib	100.00	3.00
34.	Sorafenib Tosylate	100.00	3.00
35.	Telmisartan	100.00	3.00
36.	Venlafaxine Hydrochloride	100.00	3.00
37.	Desvenlafaxine Benzoate	100.00	3.00
38.	Desvenlafaxine Succinate	100.00	3.00
39.	Cyclohexane-1,4-dicarboxylic acid, Cis trans mix	333.33	10.00
40.	Rotigotine	100.00	3.00
41.	Fenofibrate	100.00	3.00
42.	Cyclohexane-1,2-dione	100.00	3.00
43.	D-Alanine methylester Hydrochloride	166.67	5.00
44.	O-Phthalaldehyde	166.67	5.00
45.	R&D Validation Products	16.67	0.50
<b>Production Capacity (Maximum 12 Products out of total 45 Products along with R &amp; D Products)</b>		<b>3383.33</b>	<b>101.50</b>



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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b>		
	Proposed: 6 TPH 6 TPH	30 m 30 m	Multicyclone / bag filter Multicyclone / bag filter
2	<b>Thermic fluid heater-</b>	-	
3	<b>DG Sets:</b>		
	Proposed : 3 x 500 KVA	Adequate height	Acoustic enclosure

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

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	92	-	92
2	Washings	30	-	30
3	QC & R&D	5	-	5
4	Scrubber	12	-	12
5	Boiler Feed	48	-	48
6	Cooling Tower	42	210	252
7	Domestic	35	-	35
8	Gardening	20	-	20
	<b>Total</b>	<b>284</b>	<b>210</b>	<b>494</b>

**Details of Effluent generation, treatment & disposal:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	107.6	-	107.6	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	-	30	30	
3	QC and R&D Lab	-	5	5	
4	Boiler blow down	-	12	12	
5	Cooling tower bleed of	-	42	42	Treated effluent to be reused in cooling towers.
6	Scrubber	10	-	10	
7	Domestic	-	32	32	
<b>Total :</b>		<b>117.6</b>	<b>121</b>	<b>238.6</b>	

**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Disposal
1.	Organic residue from Process	5.89 TPD	Sent to SPCCB Authorized Cement industries or to TSD for Incineration/GEPII. Infrastructures Pvt Ltd/Authorized AFRF sites
2.	Distillation Bottom Residue	1.5 TPD	
3.	Spent carbon (Dry)	0.312 TPD	
4.	Inorganic & Evaporation salt (Process)	8.263 TPD	Sent to SPCCB Authorized Cement industries/ Authorized AFRF sites or to TSD for landfill/GEPII. Infrastructures Pvt Ltd
5.	Evaporation Salts non-process	1.2 TPD	
6.	ETP Sludge	1.5 TPD	
7.	Boiler ash	19.2 TPD	Sold to Cement Brick Manufacturers

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8.	a) Detoxified Container / Liners drums, HDPE Carboys, Fiber drums	1500 Nos./ month	Disposed to SPCB Authorized agencies after complete detoxification
	b) PP Bags	1600 Kg/month	
9.	Spent Mixed solvents (unrecovered solvents)	25 KLD	Sent to SPCB Authorized agencies
10.	Spent Catalyst	0.446 TPD	Sent to suppliers on buy back basis
11.	Waste oils & Grease	1KL/annum	Sent to SPCB Authorized agencies for reprocessing / recycling.
12.	Used Lead acid Batteries	60 Nos. / annum	Sent to suppliers on buy-back basis.
13.	Misc. Waste (spill control waste)	Lumpsum	TSDF
14.	Rejects	Lumpsum	
15.	E- waste	Lumpsum	Authorized re-processor or TSDF
16.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
17.	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
18.	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator
<b>By-Products</b>			
19.	Spent Catalyst	0.446 TPD	Sent back to suppliers for reprocessing

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

<b>Agenda Item No. 23</b>	<b>M/s. Shobha Laboratories, Sy. No. 331/991, 334,335 &amp; 335/991992, Veltur (V), Sadasivpet (M), Sangareddy District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176515/2020 (EC)</b>

The representative of the project proponent Sri Santosh Reddy, and Sri Suresh Kumar of M/s. AM Enviro Engineers, Hyderabad attended and made a presentation before the SEAC.

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

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

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

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

Total area is 26,304.6 Sq.m, out of which Green area is 8625.3Sq.m.

Nearest human habitation is Veltur (V) is at 1.80 km; Nearest water body is a stream flows at 1.09 km from the proposed site.

Project Cost for proposed is Rs.30.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 437 Lakhs and Recurring Cost is Rs. 26.75 Lakhs/annum. Budget for CER is Rs. 30.0lakhs in first 5 years.

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

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Products:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Bis-2-chloro (Ethylamine)HCl	833.3333	25000
2	1-Acetyl-4-(Hydroxy Phenyl) Piperazine.	333.3333	10000
3	Phenyl hydrazine Hydrochloride	666.6667	20000
4	4-Hydroxycarbazole	333.3333	10000
5	Ketosulfone	166.6667	5000
6	L-Valine Methyl Ester Hydrochloride	666.6667	20000
7	Phenyl Piperazine Hydrochloride	833.3333	25000
8	2-chloro acetophenone	333.3333	10000
9	5-Nitro-3,4-dihydroxy benzaldehyde	333.3333	10000
10	Trityl chloride	333.3333	10000
11	2,4-Dichloro 6,7-dimethoxy quinazoline	333.3333	10000
12	Cisbromo benzoate	333.3333	10000
13	Cistosylate	333.3333	10000
14	1-Bromo Ethyl Acetate	333.3333	10000
15	Cytosine	333.3333	10000
16	N-(Triphenyl methyl)-5-[4'-(bromo methyl) biphenyl-2-yl] tetrazole (TTBB)	333.3333	10000
17	N-(2-Chlorobenzyl) 2-9thiophen -2-yl) ethanamineHCl	333.3333	10000
18	1-Benzhydryl-4-methyl piperazine	833.3333	25000
19	2-Chloro-1, 3-bis (dimethyl amino) tri methiniumhexafluorophosphate	333.3333	10000
20	4, 5-dimethyl-1 3-dioxol-2-one	333.3333	10000
21	Aspirin	666.6667	20000
22	Atorvastatin Calcium	333.3333	10000
23	Aceclofenac	333.3333	10000
24	Abacavirsulphate	500	15000
25	AmbroxolHCl	333.3333	10000
26	Betrixaban	166.6667	5000
27	Favipiravir	166.6667	5000
28	Lexofenadine HCl	333.3333	10000
29	HydroxychloroquineSulphate	333.3333	10000
30	Lopinavir	166.6667	5000
31	OlmесartanMedoxomil	166.6667	5000
32	Omeprazole Sodium	333.3333	10000
33	Ritonavir	333.3333	10000
34	Pitavastatin Calcium	166.6667	5000
35	Rabeprazole Sodium	166.6667	5000
36	Pantoprazole Sodium	333.3333	10000
37	Rosuvastatin calcium	166.6667	5000
38	Telmesartan	166.6667	5000
39	VonoprazanFumerate	166.6667	5000
40	Vildagliptin	166.6667	5000
	R & D Products	8.33	250
	Total	180000	6000

**Note:**

We will manufacture with Worst Combination of ANY 10 products out of 40 products with Maximum Production capacity of 180 TPM and 250 Kgs/Month of R&D Products.

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**By-products:**

S.No	Name of the Product	Name of the By product	CapacityKg/day
1	2-Chloro Acetophenone	Aluminium Hydroxide	3600
2	Favipiravir	Potassium chloride	198

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Proposed: 2x 5TPH Standby 1 x 3 TPH	40 m 30 m	Rag filters / ----
2	<b>Thermic fluid heater</b> 1 x 2 Lakh K.cal/hr	15 m	
3	<b>DG Sets:</b> Proposed: 1 x 625 kVA & 1 x 750 kVA,	Adequate height	Acoustic enclosure

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

**Details of Water requirement:**

S. No	Propose	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	83.18	-	83.18
2	Washings	6	-	6
3	Boiler make up	48	10	58
4	Cooling towers make up	98	60	158
5	Domestic	9	-	9
6	Gardening	2.65	2.35	5
7	Scrubber System	6	2	8
	<b>Total</b>	<b>252.83</b>	<b>74.35</b>	<b>327.18</b>

**Details of Effluent generation, treatment & disposal:**

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	53.24	35.01	88.25	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological FTP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	-	6	6	
3	Biotech and R&D Lab	-	-	-	
4	Boiler blow down	-	8.4	8.4	
5	Cooling tower bleed of	-	14.92	14.92	
6	Scrubber	10	0	10	
7	RO/DM Plant Rejects	-	-	-	
8	Domestic	-	9	9	
<b>Total :</b>		<b>63.24</b>	<b>73.33</b>	<b>136.57</b>	

**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue + Solvent residue	4939 Kg/Day	Sent to cement plants for co-incineration/TSDF
2	Spent Carbon	398Kg/Day	
3	Evaporation Salts[MEE Salts]	4754 Kg/Day	Sent to TSDF
4	ETP Sludge	100Kg/Day	
5	Boiler Ash	14 TPD	Sent to brick manufacturers
6	a) Detoxified Container / Liners drums b) HDPE Carbuys/ Drums	1000No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
7	Spent Mixed Solvents	2.0 KLD	Recovered within plant premises and reused
8	Stripper Distillate	0.8 KLD	Sent to cement plants for co-incineration/TSDF
9	Waste oils & Grease	1000 Ltrs/year	Sent to authorized agencies
10	Used Lead acid Batteries	2No.s/year	Sent to suppliers on buy back basis
11	E waste	--TPM	Sent to authorized agencies
12	Paper waste, & Misc.	--TPM	Sent to scrap vendors
13	Contaminated cotton waste	--TPM	Sent to authorized agencies
14	Contaminated filter cloth	--TPM	
15	Spent resins	--TPM	

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

<b>Agenda Item No. 24</b>	<b>M/s. Neuland Laboratories Limited, Unit 3, Sy. No. 10, Plot No. 3- 72, Gaddapotharam (V), Jinnaram (M), Sangareddy District - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/183779/2020 (MODI-EC)</b>

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

During presentation, the proponent informed that as per EC dt.26.04.2018 the water requirement details mentioned as following and requested for amendment to EC.

S.No.	Water required	As per EC dt.26.04.2018 Quantity (KLD)	Amendment Required Quantity(KLD)
1	Process	110	110
2	Washings	35	35
3	Boiler make-up	148	148
4	Cooling tower make-up	170	170
5	RO/DM Plant	33	33
6	Scurbber	5	10
7	Domestic	20	20
8	Greenbelt development	10	10
	<b>Total water requirement</b>	<b>531</b>	<b>536</b>

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

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<b>Agenda Item No. 25</b>	<b>M/s. Arch Pharma Labs Limited., Sy. No. 323, Gundlamachanoor (V), Hathnoor (M) Sangareddy District - Environmental Clearance (Expansion)-Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/175773/2020 (EC/ Expansion)</b>

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

The unit was earlier in the name of Mervin Drug Products Limited and was established in the year 1995 and obtained NOC From Pollution Control Board and Started operations which was an exclusive contract Manufacturer for Arch until 2002. before it was formally acquired by Arch.

The industry obtained EC in the year 2005 vide order dt.15.07.2005. Subsequently the Arch Pharma labs obtained EC for Change of product mix vide order dt.21.2.2008.

The latest CFO is issued vide order dt.2.12.2016, with validity upto 30.6.2021 from TSPCB and the unit is operating.

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

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

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

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

Total area is 20.0 Acres, out of which Green belt area is 10.3 Acres ( 39.61 %).

Nearest human habitation is Ismailkhanpet village is at 1.23 km; Nearest water body is Nakkavagu is at 0.58 km. there are no Reserve Forest with in 10km radius from the industry.

Project Cost for proposed expansion project is Rs. 40.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 2000.0 Lakhs and Recurring Cost is Rs. 1099.0 Lakhs/annum. Budget for CER is Rs.40.0 lakhs in first 5 years.

The details of Products & By products with capacity after expansion are as following:

**Products:**

S.No	Product Name	Capacity kgs/day	Capacity TPM
1	Acyclovir	666.67	20.0
2	Atorvastatin calcium tri hydrate	666.67	20.0
3	4r.6r)-t-butyl-6-cyanomethyl-2,2-dimethyl-1,3-dioxane-4-acetate(ATIS-8)	1666.67	50.0
4	2-{2-(4-Fluorophenyl)-2-oxo-1-phenylethyl}-4-methyl-3-oxo-N-phenylpentanamide(DKT-II)	1000.00	30.0
5	Lithium Carbonate	1000.00	30.0
6	3-(2-Chlorophenyl)-5-Methyl Isoxazole-4-Carbonyl Chloride(CMIC Cl)	2000.00	60.0
7	3-(2,6-Dichlorophenyl)-5-Methyl Isoxazole-4-Carbonyl Chloride (DICMIC Cl)	1000.00	30.0
8	3-(2-Chloro, 6-Fluoro Phenyl)-5-Methyl Isoxazole-4-Carbonyl Chloride(FCMIC Cl)	833.33	25.0
9	5-Methyl-3-phenylisoxazole-4-carbonyl-chloride(PMIC Cl)	133.33	4.0

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10	tert-Butyl (4R,6R)-6-[2-[2-(4-fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1-pyrrolyl]ethyl]-2,2-dimethyl-1,3-dioxane-4-acetate(ATV-1)	1333.33	40.0
11	(1S,2S)-(1-Benzyl-3-chloro-2-hydroxypropyl)carbamic acid tert-butyl ester(Boc-CA)	833.33	25.0
12	(2R,3S)-3-(tert-Butoxycarbonyl)amino-1,2-epoxy-4-phenylbutane(RSE)	500.00	15.0
13	Benzyl ((2R,3S)-4-chloro-3-hydroxy-1-(phenylthio)butan-2-yl)carbamate(CBZ-CA)	33.33	1.0
14	(2S,3S)-1,2-Epoxy-3-(boc-amino)-4-phenylbutane.(S,S Epoxide)	166.67	5.0
15	t-butyl (2R, 3S)-2-hydroxy-1-[(2-methylpropyl)[(4-nitrophenyl)sulfonyl]amino]-4-phenylbutan-3-ylcarbamate(Boc-NITRO)	166.67	5.0
16	tert-Butyl-(4R-cis)-6-((acetyloxy)-methyl)-2,2-dimethyl-1,3-dioxane-4-acetate(BHA-TV (D-5))	333.33	10.0
17	Tert-Butyl 6-(1E)-2-[4-(4-fluorophenyl)-6-(1-methylethyl)-2-[methyl (methyl sulfonyl) amino]-5-pyrimidinyl] ethenyl]-2, 2-dimethyl-1, 3-dioxane-4-acetate(R-I)	333.33	10.0
18	3 $\alpha$ -Hydroxy-7-keto-5 $\beta$ -cholan-24-acid (7-KLCA)	333.33	10.0
19	4-amino-N-(2R,3S)(3-amino-2-hydroxy-4-phenylbutyl)-N-isobutylbenzenesulphonamide(Boc-Amine)	166.67	5.0
	<b>Total</b>	<b>13166.67</b>	<b>395.0</b>
	<b>By Product Details</b>		
1	Sulphuric acid	2528.30	76
2	Dil Phosphoric acid	1686.18	51
3	Lithium chloride	2146.47	64
4	Hydrazine Sulphate	1379.03	41

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 2 TPH & 6 TPH Proposed: 10 TPH & 20 TPH	30 m 30 m	Bag filters/FSP
2	<b>Thermic fluid heater</b> Proposed :4.0 Lakh K.cal/hr	10 m	Adequate Stack
3	<b>DG Sets:</b> Existing: 1 x 125 kVA ; 1 x 250 kVA Proposed: 2 x 1000 kVA	Adequate height	Acoustic enclosure
4	Process emissions	5m	Scrubber

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

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**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	247.4	-	247.4
2	Washings	15	-	15
3	Scrubber	5	-	5
4	Cooling tower	20	100	120
5	Boiler	80	220	300
6	DM plant	15	-	15
7	Domestic	25	-	25
8	Gardening	20	-	20
	<b>Total</b>	<b>427.4</b>	<b>320.0</b>	<b>747.4</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	308.5	-	308.5	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	15	-	15	
3	Scrubber	5	-	5	
4	Cooling tower	-	12	12	
5	Boiler	-	30	30	
6	DM plant	-	15	15	
7	Domestic	-	20	20	
	<b>Total :</b>	<b>328.5</b>	<b>77.0</b>	<b>405.5</b>	

**Details of Solid Waste After expansion:**

S. o.	Description	Quantity	Remarks
1	MFE salts with 4 % Moisture & Spent Sodium Sulphate	41648 Kg/day	Sent to TSDF, Dundigal for secured land fill
2	ETP Sludge	50.0 Kg/day	
3	Inorganic residue	2755.62 Kg/day	
4	Distillation bottom residue	1380.72 Kg/day	Sent to Cement plant for Co-processing/AFRF Facilities of GEPIL Infrastructure Pvt. Ltd. Rakameberla/ M/s. TSDF Dundigal.
5	Process organic Residue	16308.32 Kg/day	
6	Spent Carbon	493.34 Kg/day	
7	Off specification/ Date expired raw materials	66.67 Kg/day	
8	Ash from boilers	36.1 TPD	Sold to brick manufacturers
9	Waste /Used Oil	50 LPM	Authorized Recyclers/ Re-processors
10	Spent solvents	13.0 TPD	End users/Authorized cement manufacturing units for co-processing.
11	Used batteries	15 No.s Per Annum	Sent to Authorized Recyclers
12	container & container liners of hazardous waste & chemicals	500 No.s/ Month	After detoxification, disposed to outside agencies
13	LDPE bags	300 Kgs/month	Authorized Recyclers



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14	Insulation waste	300 Kgs/Annun	TSDF Dundigal for secured landfill or authorized recyclers
15	Glass bottles and broken glass ware	200 Nos per month	
16	e-waste	50 kgs/month	Authorized Recyclers/ Re-processors

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

<b>Agenda Item No. 26</b>	<b>M/s. Mylan Laboratories Limited Unit-VII, Plot No. 13, 14, 99 &amp; 100, Phase-II, IDA Pashamylaram Village, Patancheru Mandal, Sangareddy District. - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SLA/TC/IND2/176027/2020 (EC/ Expansion)</b>

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

The industry was established in the year 1997 in the name of M/s. Medicorp Technology India Limited.

The SEAC noted that proponent obtained EC (expansion) from the SEIAA vide order dt.06.02.2016 for existing unit.

The SEAC noted that proponent obtained CFE on 29.09.2016 for manufacture of Bulk Drug Intermediates.

The proponent is operating the unit with latest CFO order dt.02.07.2020 of TSPCB valid upto 31.03.2022.

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

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

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

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

Total area is Existing 30.81 Acres, out of which Green belt area is 10.74 Acres (34.85 %).

Nearest human habitation is Pashamylaram - 0.5 km; Nearest water body is Isnapur Cheruvu - 0.70 km; There is No Nearest RF within 10 Km radius from the industry.

Project Cost for proposed expansion is Rs. 30.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 1000 Lakhs and Recurring Cost is Rs. 1057.0 Lakhs/annum. Budget for CER is Rs.30.0 lakhs in first 5 years.

The details of Products& production capacity after expansion are as following:

**Products:**

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Abacavir Sulphate	15.00	0.450
2	Acyclovir	1000.00	30.000
3	Aliskiren Hemifumarate	20.33	0.610

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4	Almotriptan	0.33	0.010
5	Alprazolam	10.00	0.300
6	Amlodipine besylate	10.00	0.300
7	Apremilast	0.33	0.010
8	Aripiprazole	1.00	0.030
9	Armodafinil	5.00	0.150
10	Asenapine Maleate	0.33	0.010
11	Azathioprine	1.67	0.050
12	Azelinidipine	0.33	0.010
13	Azilsartan Medomoximil	0.33	0.010
14	Blonanserin	0.33	0.010
15	Candesartan	20.00	0.600
16	Capecitabine	0.33	0.010
17	Cetirizine	70.00	2.100
18	Cevemiline HCl	1.67	0.050
19	Clarithromycin	50.00	1.500
20	Cyclobenzaprime	6.67	0.200
21	Daclatasvir dihydrochloride	5.57	0.167
22	Des Venlafaxine Fumarate	0.33	0.010
23	Des-Loratadine	11.00	0.330
24	Dexalansoprozol	3.33	0.100
25	Dimethyl fumarate	6.00	0.180
26	Dronedarone	0.33	0.010
27	Effinaconazole	1.67	0.050
28	Empagliflozin	0.33	0.010
29	Emtricitabine	150.00	4.500
30	ESZOPICLONE	0.33	0.010
31	Ebuxostat	16.67	0.500
32	Fexofenadine Hydrochloride	10.00	0.300
33	Fluconazole	33.33	1.000
34	Flucytosine	1.67	0.050
35	Frovatriplan Suc.H2O	1.33	0.040
36	Ilaprazole Sulphide	5.33	0.160
37	Iloperidone	0.33	0.010
38	Irbesartan	368.00	11.040
39	Itraconazole	8.33	0.250
40	Labctelol	0.33	0.010
41	Lamivudine	25.00	0.750
42	Lamotrigine	10.00	0.300
43	Lansoprazole	40.00	1.200
44	Loratadine	125.00	3.750
45	Losartan	20.00	0.600
46	Lurasidone Hydrochloride	0.33	0.010
47	Mesalamine	5.00	0.150
48	Miglustat	1.67	0.050
49	Modafinil	0.33	0.010
50	Molindone HCl	1.67	0.050
51	Nepafenac	0.33	0.010
52	O-Des (methyl) Venlafaine Succinate	0.43	0.013
53	Oxybutynin HCL	1.33	0.040
54	Paliperidone	1.00	0.030
55	Paliperidone Palmitate	0.33	0.010
56	Parecoxib Sodium	0.33	0.010
57	Perindopril Arginine	0.33	0.010
58	Perindopril Erbumine	0.67	0.020
59	Pioglitazone	5.00	0.150

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60	Pitavastatin	0.33	0.010
61	Pramipexole.2Hcl	2.33	0.070
62	Prasugrel Besylate	6.67	0.200
63	Prasugrel. HCl	10.00	0.300
64	Proguanil HCl.	0.33	0.010
65	Propafenone	125.00	3.750
66	Prothinamide	0.33	0.010
67	Rabeprazole Sodium	0.33	0.010
68	Rilpivirine hydrochloride	3.00	0.090
69	Risperidone	6.00	0.180
70	Rivaroxaban	20.33	0.610
71	Rizatriptan	1.67	0.050
72	Rosuvastatin	0.33	0.010
73	Rotigotine	3.33	0.100
74	Saxagliptin	3.33	0.100
75	Sibutramine HCl	5.00	0.150
76	Sildenafil citrate	20.00	0.600
77	Sitagliptin HCl	5.00	0.150
78	Sofosbuvir	5.00	0.150
79	S-Tetralone	3.33	0.100
80	Sugammadex Sodium	1.67	0.050
81	Telbivudine	10.00	0.300
82	Telmisartan	20.00	0.600
83	Temazepam	1.00	0.030
84	Terbinafine HCl	0.33	0.010
85	Tetrabenazine	1.00	0.030
86	Ticagrelor	8.0	0.240
87	Valacyclovir	1500.00	45.000
88	Vardenafil	6.67	0.200
89	velpatasvir	3.00	0.090
90	VERAPAMIL HCL	3.00	0.090
91	Vilazodone Hydrochloride	0.33	0.010
92	Vildagliptin	2.00	0.060
93	Zileuton	1.67	0.050
94	Zofenopril	3.00	0.090
95	Zoledronic Acid	0.33	0.010
96	Zolmitriptan	1.00	0.030
97	Validation products	5.00	0.150
	<b>Total</b>	<b>3866.33</b>	<b>116.0</b>

**By-products:**

S.No	Name of the Product	Name of the By product	Capacity	
			TPM	Kg/day
1	Valacyclovir	1,3 Dicyclohexyl urea	63.07	2102.4

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 8 TPH & 20 TPH Proposed: 1 x 10 TPH	30 m, 42m 30 m	Rag filters/ESP

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2	<b>DC Sets:</b> Existing: 2 x 750 KVA ; 2 x 500 KVA, 1 x 1250 KVA, , 2 x 1500 KVA Proposed: 1 x 1500 KVA	8.5m, 5.5 m, 8.5m, 8.5m	Adequate stack and Acoustic enclosure
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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 are to be safely dispersed into the atmosphere through water column.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process HTDS	203.2	-	203.2
2	Process LTDS		-	
3	Washings	20	-	20
4	Scrubber	10	-	10
5	QC and R& D	10	-	10
6	Cooling Tower	99	351	450
7	Boiler	335	165	500
8	Solvent recovery plant	20	-	20
9	Purified water	40	-	40
10	Detoxification	10	-	10
11	ZLD washings	25	-	25
12	Ash handling ( water sprinklers)	15	-	15
13	Domestic	70	-	70
14	Garment washing	10	-	10
15	Gardening	75	-	75
	<b>TOTAL</b>	<b>942.2</b>	<b>516</b>	<b>1458.2</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process HTDS	126.7	-	126.7	Zero Liquid Discharge System i.e., HTDS: Stripper, MRF & AFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Process LTDS	-	91.9	91.9	
3	Washings	20	-	20	
4	Scrubber	-	10	10	
5	QC and R& D	-	10	10	
6	cooling towers	-	105	105	
7	Boiler	-	40	40	
8	Solvent recovery plant	-	20	20	
9	Purified water	-	40	40	
10	Detoxification	-	10	10	
11	ZLD washings	-	25	25	
12	Garment washings	-	10	10	
13	Domestic	-	65	65	
	<b>Total :</b>	<b>146.7</b>	<b>426.9</b>	<b>573.6</b>	

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**Details of Solid Waste After expansion:**

S.No	Waste stream	Quantity	Mode of disposal
1	Spent carbon	40.88 TPM	TSDF Dundigal/ Cement industry for Co-processing
2	Process organic waste	49.05 TPM	
3	Still bottom residue	328.05TPM	
4	Off specified & Discarded Raw materials, lab chemicals and products	2.0 TPM	
5	Process inorganic salts	40.93 TPM	TSDF Dundigal for secured land fill
6	ETP Sludge	85.0 TPM	
7	MFF salts	223.44 TPM	
8	Spent rancy Nickel	0.11 TPM	Sale to Authorized recyclers/TSDF Dundigal
9	Palladium carbon	6.0 TPM	
10	Spent cuprous cyanide	0.79 TPM	
11	Di potassium hydrogen Phosphate	4.43 TPM	
12	Spent mixed solvents (colored)	1200 KLM	TSDF Dundigal/ cement industries for co processing
13	Stripper VOCs	200 KLM	
14	Spent Mixed solvents/ Recovered Solvents (colourless)	1500 KLM	Sale to Authorized Recyclers
15	Insulation waste	15 TPM	TSDF Dundigal / cement industries for co processing
16	DM Plant & Softener Plant resins	2 TPM	
17	Discarded RO Plant membranes	5 TPM	
18	Lab vials	1 TPM	TSDF Dundigal / cement industries for co processing
19	Used Filters (HEPA, oil filters etc)	100 NPM	
20	Discarded PPE	10 TPM	
21	Used Filter Bags	10 TPM	
22	Contaminated cotton rags	0.5 TPM	
23	Thermacol waste	1.0 TPM	TSDF Dundigal / cement industries for co processing
24	Fall ceiling waste	2.0TPM	
25	Cooling tower fins	2.0TPM	

**Hazardous waste with Re-cycling option**

S.No	Waste stream	After expansion Quantity	Mode of disposal
1	Used oil /Waste oil	6000 LPM	Authorized re-processors/ recyclers
2	Detoxified Container	6000 NPM	Sale after complete detoxification
3	Detoxified Liners	35 TPM	
4	Lead acid batteries	150 No's / Year	Sale to authorized recyclers
5	Electrical & Electronic waste ( E- waste)	15 TPA	

**Non Hazardous waste**

S.No	Waste stream	After expansion Proposed	Mode of disposal

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1	Paper waste	15 TPM	Shall be sold to outside agencies/ recyclers
2	Wood waste, carton boxes	15 TPM	
3	Packing Materials	25 TPM	
4	Waste Glass Bottles	10 TPM	
5	Metal scrap (MS, SS, GI, Aluminum)	30 TPM	Shall be sold to outside agencies/recyclers
6	Canteen waste	10 TPM	Shall be Sent to Piggeries
7	Cool Ash/ fly Ash	1500 TPM	To brick manufacturers

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

<b>Agenda Item No. 27</b>	<b>M/s. Arch Pharma Labs Limited. Sy. No. 280, 281, 276, 279, 311, 327, 328, 330, 390, 391, Mittapally (V), Siddipet (M), Siddipet District - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>STA/TG/IND2/176202/2020 (EC/ Expansion)</b>

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

The industry was established in the year 1994 in the name of Watsol Organics Limited and obtained CFE from APPCB in the year 1997 and started operations.

As the unit is involved in manufacturing of chemicals and Drug intermediates, there is no EC Requirement under 1994 EIA Notification. Exemption from EC letter was issued by MoEF dated 20.01.1999

The proponent is operating the unit with latest CFO order dt.29.11.2016 of TSPCB valid upto 30.09.2020.

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

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

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

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

Total area is 40.0 Acres, out of which Green Belt area is 25.4 Acres (63.5 %).

Nearest human habitation is Ellupalli is at 1.3 Km; Nearest water body is Tank Near Ellupalli is at 1.2 Km, Nearest Reserve Forest is Marpadiga Reserved Forest is at 6.0 km from the industry.

Project Cost for proposed expansion project is Rs. 45.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 1500.0 Lakhs and Recurring Cost is Rs. 628.0 Lakhs/annum. Budget for CER is Rs.110.0 lakhs in first 5 years.

The details of Products & By products with capacity after expansion are as following:

**Products:**

S.No	Name of the product	Quantity in Kgs/Day	Quantity in TPM
1	Dimethylamine hydrochloride (DMA.HCl)	8333.33	250
2	Dicyandiamide (2-Cyanoguanidine)(DCDA)	10000.00	300

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S.No	Name of the product	Quantity in Kgs/Day	Quantity in TPM
3	Phosphorus pentachloride(PCl5)	3333.33	100
4	Phosphorus Trichloride(PCl3)	3333.33	100
5	Phosphorus oxychloride(POCl3)	3333.33	100
6	3-(2-Chlorophenyl)-5-Methyl Isoxazole-4-Carbonyl Chloride(CMIC Cl)	2500.00	75
7	3-(2,6-Dichlorophenyl)-5-Methyl Isoxazole-4-Carbonyl Chloride (DICMIC Cl)	1333.33	40
8	3-(2-Chloro, 6-Fluoro Phenyl)-5-Methyl Isoxazole-4-Carbonyl Chloride(FCMIC Cl)	1333.33	40
9	5-Methyl-3-phenylisoxazole-4-carbonyl-chloride(PMIC Cl)	333.33	10
10	Metformin Hydrochloride	10000.00	300
11	(S)-(-)-2-Aminobutanamide hydrochloride (SABAM)	1666.67	50
12	Levetiracetam	2500.00	75
13	2-Ethoxy-1-naphthoylchloride(ETNA)	66.67	2
14	N-Formylhexamethyleneimine(NFHDA)	16 6.67	5
15	5-chloroacetyl-6-chloro-1,3-dihydro-2h-indole-2-one(CAOI)	666.67	20
16	3-(1-Piperziny)-1,2-Benzisothiazole Hydrochloride(PBIT)	666.67	20
	<b>Total</b>	<b>49566.67</b>	<b>1487.00</b>
<b>By products</b>			
1	Dil phosphoric acid	2348.68	70

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 3 TPH & 6 TPH Proposed: 10 TPH & 20 TPH	30 m 30 m	Cyclone Separator/Bag filters/ESP
2	<b>Thermic fluid heater</b> Proposed :4.0 Lakh K.cal/hr	10 m	Adequate Stack
3	<b>DC Sets:</b> Existing: 2 x 320 kVA ; 1 x 62.5 kVA Proposed: 2 x 1000 kVA	Adequate height	Acoustic enclosure

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

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**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	170.5	-	170.5
2	Scrubber	5.0	-	5.0
3	Washings	15.0	-	15.0
4	Boiler	138.0	102.0	240.0
5	Cooling tower make up	60.0	150.0	210.0
6	DM plant	15.0	-	15.0
7	RO plant	50.0	-	50.0
8	Domestic	15.0	-	15.0
9	Gardening	50.0	-	50.0
	<b>Total</b>	<b>518.5</b>	<b>252.0</b>	<b>770.5</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	215.6	-	215.6	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological FTP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Scrubber	5	-	5	
3	Washings	-	15	15	
4	Boiler blow down	-	24	24	
5	Cooling tower bleed of	-	21	21	
6	DM Plant	-	15	15	
7	RO Plant	-	5	5	
8	Domestic	-	12	12	
	<b>Total :</b>	<b>220.6</b>	<b>92.0</b>	<b>312.6</b>	

**Details of Solid Waste After expansion:**

S.No	Description	After expansion Quantity in TPM	Remarks
1	MEE salts with 4 % Moisture	931.5	Sent to TSDF, Dundigal for secured land fill
2	EIP Sludge	10.0	
3	Inorganic solid waste	54.2	
4	Distillation bottom residue	27.0	Sent to TSDF, Dundigal, Rangareddy district for incineration / Authorized cement plants for co-processing
5	Process organic Residue	303.6	
6	Spent Carbon	6.3	
7	Off specification products/ Date expired raw materials	2.0	
8	Ash from boilers	37.1 TPD	Sold to brick manufacturers
9	Waste /Used Oil	100.0 Ltrs/month	Authorized Recyclers/ Re-processors
10	Spent Mixed solvents	50.7 KLD	End users/Authorized cement manufacturing units for co-processing.
11	Used batteries	10 No.s Per Annum	Sent to Authorized Recyclers



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12	container & container liners of hazardous waste & chemicals	1500 No.s/ Month	After detoxification, disposed to outside agencies
13	LDPE bags	300 Kgs/month	Authorized Recyclers
14	Insulation waste	500 Kgs/Annum	TSDF Dundigal for secured landfill or authorized recyclers
15	Glass bottles and broken glass ware	200 Nos per month	
16	e-waste	25 kgs/month	Authorized Recyclers/ Re-processors

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

<b>Agenda Item No. 28</b>	<b>M/s. PSN Medicare Private Limited, Sy.No.114, 115 &amp; 118, Kandukur (Village &amp; Gram Panchayat), Kandukur Mandal, Rangareddy District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176357/2020 (EC)</b>

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

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

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

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

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

Total area is 6.874 Acres, out of which Green area is 2.317 Acres (33.7 %).

Nearest human habitation is Timmayyapalli - 1.05 km; Nearest water body is 303.1 mtrs; Nearest RF is Gumadavalli RF - 0.39 km from the industry.

Project Cost for proposed expansion is Rs. 17.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 600 Lakhs and Recurring Cost is Rs. 367.0 Lakhs/annum. Budget for CER is Rs.35.0 lakhs in first 5 years.

The details of Products& production capacity proposed are as following:

**Products:**

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Guafenesin	5000.0	150
2	Methocarbamol	2000.0	60.0
3	Chlorphenesin	3333.33	100.0
4	<b>Total</b>	<b>10333.33</b>	<b>310.0</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<u>Coal fired Boiler:</u> 2 x 5 TPH	30 m	Cyclone Separator/Bag filters
2	<u>Thermic fluid heater</u> 2 Lakh K.cal/hr	10 m	Adequate Stack
3	<u>DG Sets:</u> 2 x 500 KVA	4.5 m	Adequate Stack height and Acoustic enclosure
4	Process emissions	5m	Scrubber

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

**Details of Water requirement Proposed:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	42.2	-	42.2
2	Washings	5.0	-	5.0
3	Scrubber	2.0	-	2.0
4	Boiler	40	40	80.0
5	Cooling tower	46	24	70.0
6	DM / Softener	5.0	-	5.0
7	Domestic	5.0	-	5.0
8	Gardening	5.0	-	5.0
	<b>Total</b>	<b>150.2</b>	<b>64</b>	<b>214.2</b>

**Details of Effluent generation, treatment & disposal Proposed:**

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	47.7	-	47.7	Zero Liquid Discharge System i.e., <b>HTDS:</b> Stripper, MEE & ATFD. <b>LTDS:</b> Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	5.0	-	5.0	
3	Scrubber	2.0	-	2.0	
4	Boiler	-	8.0	8.0	
5	Cooling tower	-	7.0	7.0	
6	DM/ softener plant back washes	-	5.0	5.0	
7	Domestic	-	4.0	4.0	
	<b>Total :</b>	<b>54.7</b>	<b>24</b>	<b>78.7</b>	

**Details of Solid Waste Proposed:**

S.No	Description	Proposed Quantity	Remarks
1	MEH salts with 4 % Moisture	3.08 TPD	Sent to TSDF
2	ETP Sludge	0.05 TPD	
3	Inorganic residue	0.081 TPD	
4	Process/ organic Residue	1.37 TPD	Authorized Cement Industries
5	Spent Carbon	0.2 TPD	
6	Distillation bottom residue	0.43 TPD	
7	Ash from boilers	9.5 TPD	Sold to brick manufacturers

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8	Waste /Used Oil	100 LPM	Authorized Recyclers/ Re-processors
9	Mixed spent solvents	0.01 TPD	Authorized Recyclers
10	Used batteries	2 No's/ Annum	Sent to Authorized Recyclers
11	container & container liners of hazardous waste & chemicals	100 No's/month	After detoxification, disposed to outside agencies

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

<b>Agenda Item No. 29</b>	<b>M/s. Balaji Formulations Private Limited - Unit II, Sy. No. 208/35, Ramlingampally (V), Bommalaramaram (M), Yadadri District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176368/2020 (EC)</b>

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

The SEAC noted that the present proposal activity of the proponent is solvent recovery from spent solvents and proposing for manufacture of APIs. The proposed site is out side the Ban area notified vide G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms.No.24 dt.24.04.2019; Hon'ble NGT order dt.24.10.2017.

The proponent is operating the unit with latest CFO order dt.21.02.2017 of TSPCB valid upto 31.01.2022.

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

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

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.

Total area is 4.35 Acres, out of which Green belt area is 1.63 Acres (37.47 %).

Nearest human habitation is Ankireddipalli - 0.73 Km; Nearest water body is Ramalingampalli Tank - 0.97 Km, Nearest RF is Keshavpur- 0.75 Km from the industry.

Project Cost for proposed expansion project is Rs. 30.0 Crores. Budget for Environmental protection towards Capital Cost is Rs.623 Lakhs and Recurring Cost is Rs 178.0 Lakhs/annum. Budget for CFR is Rs.50.0 lakhs in first 5 years.

The details of Products& production capacity after expansion are as following:

**Products:**

S.No	Name of Product	Capacity	
		Kg/day	TPM
	<b>Solvents Distillation:</b>		
1	Solvents Distillation (Methanol, IPA, Acetone, THF, Toluene, Acetonitrile, ethyl acetate, MTBE, DMSO, HMDO, HMDS, Heptane, Triethylamine, MIBK, Cyclohexene, N-Hexane, O-xylene, DMF, T- Butanol, Ethyl bromide, 1,4- dioxine, 1,2 DME, Mixed solvents, L-Menthol mix)	13888.6	416.66
2	Spent Mother liquor re-distillation Mixed ( ML's re distillation for combination of Methanol, toluene, THF, Hexane, tri-phenyl Methyl-Alcohol, Ethyl Bromide, T- Butanol, Mixed solvents)	1111.1	333.33
	<b>Total</b>	<b>14999.7</b>	<b>749.99</b>

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<b>Bulk Drugs &amp; Drug Intermediates</b>			
1	Tenofovir Disoproxil Fumarate	156.67	4.7
2	Zidovudine	333.33	10.0
3	Ritonovir	166.67	5.0
4	Lopinavir	333.33	10.0
5	Lamivudine	333.33	10.0
6	Amlodipine Besylate	200.00	6.0
7	Fluconazole	166.67	5.0
8	Pantoprazole sodium	333.33	10.0
9	Cetirizine Dihydrochloride	333.33	10.0
10	Acyclovir	333.33	10.0
11	Darunavir	200.00	6.0
12	Emtricitabine	200.00	6.0
13	Levocetirizine Dihydrochloride	133.33	4.0
14	Rabeprazole sodium	133.33	4.0
15	Abacavir	166.67	5.0
16	Paracetamol	166.67	5.0
17	Metformin HCl	166.67	5.0
18	Hydroxychloroquine	833.33	25.0
19	TTBB	833.33	25.0
20	Trityl Chloride	3333.33	100.0
21	Recovery Trityl Chloride	3333.33	100.0
22	2-chlorotrityl chloride	1666.67	50.0
23	Levetiracetam	333.33	10.0
24	R & D products	10.00	0.3
<b>Total</b>		<b>14200.00</b>	<b>426.0</b>

**By-products:**

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	Lamivudine	Thio acetic acid	66.67	2.0
2	Emtricitabine	L-Menthol	156.46	4.7
3	Paracetamol	Dilute Acetic acid 31%	206.55	6.2
4	Levocetirizine Dihydrochloride	Spent HCl	26.27	0.8
<b>Total</b>			<b>455.95</b>	<b>13.7</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 1 x 2.5 TPH, 1 x 5 TPH Proposed: 10 TPH	30 m 30 m 30 m	Cyclone Separator/Bag filters
2	<b>Thermic fluid heater</b> Proposed: 4 Lakh K.cal/hr	10 m	Adequate Stack
3	<b>DG Sets:</b> Existing: 125 KVA, 180 KVA Proposed: 1000 KVA, 500 KVA, 350 KVA	Adequate height	Acoustic enclosure
4	<b>Process emissions</b>	5m	Scrubber

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

**Details of Water requirement after expansion:**

S.No	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	95.6	-	95.6
2	Washings	17.0	-	17.0
3	Scrubbers	3.0	-	3.0
4	Boiler make up	20	105	125.0
5	Cooling Towers make up	23	17	40.0
6	DM/Softner Plant back washes	2.0	-	2.0
7	Domestic	5.0	-	5.0
8	Gardening	10.0	-	10.0
	<b>Total</b>	<b>175.6</b>	<b>122</b>	<b>297.6</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	109.3	-	109.3	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & AIFD. LTDS: Biological ETP & RO. Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	16.0	-	16.0	
3	Scrubbers	3.0	-	3.0	
4	Boiler make up	-	12.5	12.5	
5	Cooling Towers make up	-	4.0	4.0	
6	DM/Softner Plant back washes	-	2.0	2.0	
7	Domestic	-	4.0	4.0	
	<b>Total</b>	<b>128.3</b>	<b>22.5</b>	<b>150.8</b>	

**Details of Solid Waste After expansion:**

S.No	Description	Quantity	Remarks
1	MEE salts with 4 % Moisture*	8.36 TPD	Sent to TSDF
2	ETP Sludge	0.5 TPD	
3	Inorganic residue	0.18 TPD	
4	Process/ organic Residue	6.85 TPD	Authorized Cement Industries for co-processing
5	Distillation residue	1.91 TPD	
6	Spent Carbon	1.28 TPD	
7	Stripper waste	5.43 TPD	
8	Skimming residue	0.03 TPD	TSDF/Authorized Cement Industries for co-processing
9	Ash from boilers	16.6 TPD	Sold to brick manufacturers
10	Waste /Used Oil	380 LPM	Authorized Recyclers / Re-processors

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11	Mixed spent solvents	49.4 TPD	Authorized Recyclers
12	Used batteries	4 Nos/Annum	Sent to Authorized Recyclers
13	container & container liners of hazardous waste & chemicals	500 Nos/Month	After detoxification, disposed to outside agencies

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

<b>Agenda Item No. 30</b>	<b>M/s. Keyv's Organics Private Limited, Sy. No. 83/2, D-19, IE Medchal, Medchal District. - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/176438/2020 (EC/ Expansion)</b>

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

The industry was established in the year 2001 in the name of Srivani Fine Chemicals and obtained CFE from PCB.

The proponent is operating the unit with latest CFO order dt.03.01.2011 of A/PCB and the unit applied for renewal in the year 2013, but CFO was not issued.

Subsequently the Industry became sick and was not in operation. The Industry has applied for CFO renewal in the Year 2019 and is rejected due to some shortfalls.

The Current Management has purchased this unit in the year 2019, and the unit is resubmitting the Application for CFO after complying with all the shortfalls. Currently the unit is not in operation. The unit is currently renovating the Admin Block.

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

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

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

Total area is 0.54 Acres, out of which Green area is 744.85 Square meters (34 %).

Nearest human habitation is Medchal – 1.63 Km; Nearest water body is Pond near medchal 1.3 Km, Nearest Reserve Forest is Kandlakoya - 1.9 km from the industry.

Project Cost for proposed expansion project is Rs. 4.5 Crores. Budget for Environmental protection towards Capital Cost is Rs. 100.0 Lakhs and Recurring Cost is Rs. 31.0 Lakhs/annum. Budget for CER is Rs.9.0 lakhs in first 5 years.

The details of Products & production capacity after expansion are as following:

**Products:**

S.No	Product Name	Capacity TPM
1	Diclophenac sodium	5.1
2	Eprosartan mesylate	0.75
3	Oseltamivir phosphate	2.55
4	Pentrexed disodium hemipentahydrate	1.05
5	Candesartan cilexetil	0.6
6	R & D products	0.03
	<b>Total</b>	<b>10.08</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 0.5 TPH * (Will be removed after expansion) Proposed: 2 TPH	30 m	Cyclone separator
3	<b>DG Sets:</b> Existing: 75 KVA* (Will be removed after expansion) Proposed; 125 KVA	Adequate height	Acoustic enclosure

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

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	5.5	-	5.5
2	Washings	1.0	-	1.0
3	Scrubber	0.5	-	0.5
4	R&D	1.0	-	1.0
5	Boiler make up	13.5	6.5	20.0
6	Cooling tower make up	10	5	15.0
7	DM plant	1.0	-	1.0
8	Domestic	1.5	-	1.5
9	Gardening	1.0	-	1.0
	<b>Total</b>	<b>35</b>	<b>11.50</b>	<b>46.5</b>

**Details of Effluent generation, treatment & disposal after expansion:**

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	5.8	-	5.8	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	1.0	-	1.0	
3	Scrubber	0.5	-	0.5	
4	R&D	1.0	-	1.0	
5	Boiler blow down	-	2.0	2.0	
6	Cooling tower bleed of	-	1.5	1.5	
7	DM Plant	-	1.0	1.0	
8	Domestic	-	1.0	1.0	
	<b>Total :</b>	<b>8.3</b>	<b>5.5</b>	<b>13.8</b>	

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**Details of Solid Waste After expansion:**

S.No	Description	Quantity Kgs/day	Remarks
1	MEE salts with 4 % Moisture	253.5	Sent to TSDF, Dundigal for secured land fill
2	FTP Sludge	5.0	
3	Inorganic residue	3.0	
4	Distillation bottom residue	61.6	Sent to Cement plant for Co-processing/AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla/ M/s. TSDF Dundigal.
5	Process organic Residue	215.1	
6	Spent Carbon	7.4	
7	Ash from boilers	1.9 TPD	
8	Waste /Used Oil	50 LPA	Authorized Recyclers/ Re-processors
9	Spent Mixed solvents	1.85 TPD	End users/Authorized cement manufacturing units for co-processing.
10	Used batteries	1 No.s Per Annum	Sent to Authorized Recyclers
11	container & container liners of hazardous waste & chemicals	500 No.s/ Month	After detoxification, disposed to outside agencies

The SEAC observed that the proponent has informed that they are taking additional land of 855.4 Sq.m. on lease for a period of 7 years. But, not submitted the copy of registered lease agreement. The proponent shall submit registered lease agreement along with total layout plan duly indicating existing own land and proposed lease land area. The proponent shall submit detailed layout plan indicating process, utilities, treatment units of ZLD system, greenbelt. The proponent shall also clearly submit the details of the existing production block with process equipments and proposed production block with process equipments.

<b>Agenda Item No. 31</b>	<b>M/s. GSN Life Sciences Private Limited., Sy. No. 229, 230 &amp; 233, Nawabpet (V), Shivampet (M), Medak District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SLA/TG/IND2/176458/2020 (EC)</b>

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

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

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

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

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

Total area is 8652.6 Sq.mts, out of which Green area is 2871.15 Sq.mts (33.18 %).

Nearest human habitation is Nawabpet (V) is at 920 mts; Nearest water body Nawabpet Tank is at 660 mts in the downstream of the proposed site.



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Project Cost for proposed project is Rs. 15.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 600 Lakhs and Recurring Cost is Rs. 274.0 Lakhs/annum. Budget for CER is Rs.30.0 lakhs in first 5 years.

The details of Products & production capacity Proposed are as following:

**Products:**

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Efinaconazole	33.33	1.00
2	Isavuconazole	33.33	1.00
3	Bempedoic acid	33.33	1.00
4	Cyanothiazolomide	16.67	0.50
5	Dabagatran	33.33	1.00
6	Lansoprazole	33.33	1.00
7	4-[2-[2-(2,4-difluorophenyl)-2-hydroxy-1-methyl-3-(1H-1,2,4-triazol-1-yl)propyl]-4-thiazolyl]-benzonitrile (Fosravuconazole Intermediate)	33.33	1.00
8	1-cyclopropyl-4-isothio cyanato naphthalene (Lesinurad Intermediate)	66.67	2.00
9	2-chloro-4-(methyl sulfonyl) benzoic acid (Vismodegib Intermediate)	66.67	2.00
10	4,6-dichloro-2-(propylthio) pyrimidin-5-amine (Ticagrelor Intermediate)	100.00	3.00
11	5-Amino-2-methylbenzene sulfonamide (Prazopanib Intermediate)	166.67	5.00
12	3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d] pyrimidin-4-amine (Ibrutinib Intermediate)	100.00	3.00
13	4-(4-bromo-3-formylphenoxy) benzonitrile (Cnsaborole Intermediate)	133.33	4.00
14	2,3,4,6-Tetra-O-(trimethylsilyl) -D-glucono -delta-lactone (Canagliflozin Intermediate)	100.00	3.00
15	1-bromo-2,3-difluoro benzene (Rimegepant Intermediate)	166.67	5.00
16	2-sec-butyl-4-(4-(4-(4-hydroxyphenyl) piperazin-1-yl)phenyl)-2H-1,2,4-triazol-3(4H)-one (Itraconazole Intermediate)	66.67	2.00
17	5-Bromo-3-acetyl-1H-indazole	100.00	3.00
18	2,4,6-trichloropyridine	166.67	5.00
19	1,2-dichloro-4-fluoro-3-nitrobenzene	33.33	1.00
20	3,3'-dibromo-2,2'-bithiophene	66.67	2.00
	<b>TOTAL</b>	<b>1550.00</b>	<b>46.50</b>

**By-products:**

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	Efinaconazole & Isavuconazole	Tetrahydropyran	53.28	1.60
2	Efinaconazole	Triphenyl phosphonium oxide	40.29	1.21
3	Isavuconazole & 4-[2-[2-(2,4-difluorophenyl)-2-hydroxy-1-methyl-3-(1H-1,2,4-triazol-1-yl)propyl]-4thiazolyl]- benzonitrile (Fosravuconazole Intermediate)	Hexamethyl disilazane (HMDS)	43.80	1.31
4	Bempedoic acid	Diethyl 2,2,8,8-tetramethylnonane dioate	29.17	0.88
5	Bempedoic acid &	p-Toluene sulfonic acid	124.60	

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	Cyanothemuzalonide			
6	Lansoprazole	Ammonium sulphate	18.33	0.55
7	1-cyclopropyl-4-isothio cyanato naphthalene (Lesinurad Intermediate)	ferrous chloride	99.78	2.99
8	1-cyclopropyl-4-isothio cyanato naphthalene (Lesinurad Intermediate)	Iron powder	43.01	1.29
9	2-chloro-4-(methyl sulfonyl) benzoic acid (Vismodegib Intermediate)	Manganese dioxide	27.57	0.83
10	5-Amino-2-methylbenzene sulfonamide (Prazopanib Intermediate)	Zinc hydroxide	547.62	16.43
11	1-bromo-2,3-difluoro benzene (Rimegepant Intermediate)	Succinamide	163.12	4.89
12	2-sec-butyl-4-(4-(4-(4-hydroxy phenyl) piperazin-1-yl)phenyl)-2H-1,2,4-triazol-3(4H)-one (Itracozazole Intermediate)	Hydrobromic acid	900.00	27.00
13	3,3'-dibromo-2,2'-bithiophene	Copper iodide	106.67	3.20
14	3,3'-dibromo-2,2'-bithiophene	Zinc bromide	43.14	1.29
	<b>Total</b>		<b>2240.38</b>	<b>67.21</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> 2 x 5 TPH	33 m	Bag filters
2	<b>Thermic fluid heater</b> 2.0 Lakh K.cal/hr	10 m	Adequate Stack
3	<b>DG Sets:</b> 2 x 500 KVA	4.5 m	Adequate stack and Acoustic enclosure
4	<b>Process emissions</b>	5m	Scrubber

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

**Details of Water requirement Proposed:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	52.3	-	52.3
2	Washings	5	-	5
3	Scrubber	2	-	2
4	Boiler make up	45	35	80
5	Cooling tower make up	10	40	50
6	DM/Softener Plant back washes	5	-	5
7	Domestic	10	-	10
8	Gardening	5	-	5
	<b>Total</b>	<b>134.3</b>	<b>75</b>	<b>209.3</b>

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**Details of Effluent generation, treatment & disposal Proposed:**

S.No	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	60.4	-	60.4	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & A1FD. LTDS: Biological ETP & RO.
2	Washings	5	-	5	
3	Scrubber	2	-	2	
4	Boiler blow down	-	8	8	
5	Cooling tower bleed of	-	5	5	
6	DM/Softener Plant back washes	-	5	5	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
7	Domestic	-	8	8	
<b>Total :</b>		<b>67.4</b>	<b>26</b>	<b>93.4</b>	

**Details of Solid Waste Proposed:**

S.No	Description	Proposed Quantity	Remarks
1	MEE salts with 4 % Moisture*	175.5 TPM	Sent to TSDF
2	ETP Sludge	6.0 TPM	
3	Inorganic residue	9.8 TPM	
4	Process/ organic Residue	42.9 TPM	Authorized Cement Industries for co-processing
5	Spent Carbon	4.6 TPM	
6	Off specification /date expired raw materials	2.0 TPM	
7	Ash from boilers	9.5 Tons/day	Sold to brick manufacturers
8	Waste /Used Oil	100 LPM	Authorized Recyclers/ Re-processors
9	Mixed spent solvents	17.77 TPD	Authorized Recyclers
10	Used batteries	4 No's/Annum	Sent to Authorized Recyclers
11	container & container liners of hazardous waste & chemicals	1000 No's/Month	After detoxification, disposed to outside agencies
12	e-waste	50 kgs/month	Authorized Recyclers/ Re-processors

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

<b>Agenda Item No. 32</b>	<b>Hotel and Commercial Complex of M/s. Laxmi Infobahn Software Technology Park LLP., Sy.No. 107(P), 108(P), Kokapet (V), Gandipet (M), Rangareddy District - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/NCP/57013/2020 (EC)</b>

The representative of the project proponent Sri B. Suresh; and Smt. Lochana & Sri P.V. Raju of M/s. Pridhvi Enviro Tech Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

The SEAC noted that the proponent has obtained EC dt. 26.04.2018 and EC (Amendment) dt.08.11.2019 for total built up area of 1,49,912.24 Sq.m. with Silt + 4 B + 25 Floors for construction of Commercial complex. The proponent started construction activity and obtained TORs dt.26.09.2020 for expansion for total built up area of 1,80,313.42 Sq.m. (B) Category).

Now, the proponent submitted the EIA report along with the status of the project. The SEAC noted that the construction work is completed upto basement level.

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The project is proposed within 10 km radius of Himayat Sagar and Osman Sagar Lakes. But, **Kokapet (V)** is not included in the list of 84 villages in the 10km catchment of above lakes as mentioned in the G.O.Ms. No: 111, MA, dt. 08.03.1996.

The SEAC noted that the proponent prepared the EIA Report as per the standard TORs issued by the MoEF&CC, GoI, and uploaded the EIA report online. The SEAC noted the contents of the EIA report including the Risk Assessment report & Disaster Management Plan.

During presentation, the proponent informed that they have obtained NOC dt. 09.01.2020 for height clearance from Airports Authority of India w.r.t. the proposed project and submitted a copy of the same. It is observed from the NOC that the site elevation is 545.75 mts AMSL and the permissible top elevation is restricted to 792.49 mts AMSL. The SEAC noted that the height of the building is within the permissible top elevation restricted by the AAI.

It is noted that the details of the Land use are as following:

S.No.	Details of land use	Area in Sq.m.	Area in %
1	Commercial area	3928.81	36.28%
2	Green Area	1283.97	11.86%
3	Vacant area (setbacks, Roads & open area)	5615.62	51.86%
	<b>Total Area</b>	<b>10828.40</b>	<b>100%</b>

It was informed that the total built up area of the project is 1,80,313.42 Sq.m. The project consists of Commercial Complex with Office & Hotel floors (5 Basements (Mechanical) + Ground + 32 Upper Floors).

It is also noted that Parking area to be provided 81,540.80 Sq.m., (58.43%) in Stack & Basements (Mechanical parking) to park about 1328 four wheelers and 907 two wheelers. It was informed that D.G. Sets of capacity 6 x 2250 kVA will be provided for emergency power supply during occupational phase.

It was informed that the source of fresh water is HMWS&SB. The total water requirement during occupational stage is 580.0 KLD. Out of that, fresh water requirement is 405.0 KLD & recycled treated waste water is 175.0 KLD. Quantity of sewage generated is 464.0 KLD. It is proposed to treat the sewage in STP of capacity 560.0 KLD. The treated waste water will be used for: flushing the toilets, HVAC and development of greenery.

It was also informed that the Garbage (2523.5 kg/day) generated will be sent to Municipal Solid Waste disposal site; STP sludge (50 kg/day) will be used as manure; used oil and used batteries will be sent to Authorized Recyclers. E-waste, if any, will be disposed to the recyclers/dismantlers authorized by the TSPCB as per the E-waste Rules.

The total cost of the project is Rs. 240.0 Crores. The proponent is proposing budget for Environmental protection towards capital cost: Rs. 240.0 Lakhs and recurring cost: Rs. 26.0 lakhs/annum.

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

<b>Agenda Item No. 33</b>	<b>Commercial Complex of M/s. Kailash Ganga Constructions Private Limited and Others, Plot No.12, Sy.No.109, 114, Kokapet(V), Gandipet(M), Ranga Reddy District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/NCP/57128/2020 (E.C)</b>

The representative of the project proponent Sri B. Suresh; and Smt. Lochana & Sri P.V. Raju of M/s. Pridhvi Enviro Tech Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

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The SEAC noted that the proponent prepared the EIA Report as per the standard TORs issued by the MoEF&CC, GoI, and uploaded the EIA report online. The SEAC noted the contents of the EIA report including the Risk Assessment report & Disaster Management Plan.

During presentation, the proponent informed that they have obtained NOC dt. 09.01.2020 for height clearance from Airports Authority of India w.r.t. the proposed project and submitted a copy of the same. It is observed from the NOC that the site elevation is 549.6 mts AMSL and the permissible top elevation is restricted to 787.43 mts AMSL. The SEAC noted that the height of the building is within the permissible top elevation restricted by the AAI.

The project is proposed within 10 km radius of Himayat Sagar and Osman Sagar Lakes. But, Kokapet (V) is not included in the list of 84 villages in the 10km catchment of above lakes as mentioned in the G.O.Ms. No: 111, MA, dt. 08.03.1996.

It is noted that the details of the Land use are as following:

S.No.	Details of land use	Area in Sq.m.	Area in %
1	Plinth area	5523.78	33.88%
2	Green Area	2038.99	12.51%
3	Sefbacks, Road & Vacant spaces	8742.35	53.62%
	<b>Total Area</b>	<b>16305.12</b>	<b>100%</b>

It was informed that the total built up area of the project is 1,78,878.31 Sq.m. The project consists of Commercial building with Retail & Office floors (4 Stilt + 5 Basements (Mechanical) + 29 upper Floors).

It is also noted that Parking area to be provided 1,53,917.46 Sq.m., (86.04%) in Stilt - Basements (Mechanical parking) including stack parking to park about 3154 four wheelers and 850 two wheelers. It was informed that D.G. Sets of capacity 8 x 2250 kVA will be provided for emergency power supply during occupational phase.

It was informed that the source of fresh water is HMWS&SB. The total water requirement during occupational stage is 823.0 KLD. Out of that, fresh water requirement is 490.0 KLD & recycled treated waste water is 333.0 KLD. Quantity of sewage generated is 716.0 KLD. It is proposed to treat the sewage in STP of capacity 880.0 KLD. The treated waste water will be used for: flushing the toilets, HVAC and development of greenery.

It was also informed that the Garbage (4622.0 kg/day) generated will be sent to Municipal Solid Waste disposal site; STP sludge (30.0 kg/day) will be used as manure; used oil and used batteries will be sent to Authorized Recyclers. E-waste, if any, will be disposed to the recyclers/dismantlers authorized by the TSPCB as per the E-waste Rules.

The total cost of the project is Rs. 375.0 Crores. The proponent is proposing budget for Environmental protection towards capital cost: Rs. 380.0 Lakhs during construction phase and Rs.25.0 lakhs during occupation phase, recurring cost: Rs. 54.0 lakhs/annum during construction phase and Rs. 70.0 lakhs/annum during occupation phase.

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

Agenda Item No. 34	Commercial/ IT Building by M/s. Vamsiram Projects LLP., Sy. No. 92/A, Nanakramguda Village, Serilingampally Mandal, Rangareddy District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/58528/2020 (EC)

The representative of the project proponent Sri V. Sri Hari Rao; and Smt. Lochana & Sri P.V. Raju of M/s. Pridhvi Enviro Tech Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

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The SEAC noted that the proponent prepared the EIA Report as per the standard TORs issued by the MoEF&CC, GoI, and uploaded the EIA report online. The SEAC noted the contents of the EIA report including the Risk Assessment report & Disaster Management Plan.

During presentation, the proponent informed that they have obtained NOC dt. 02.03.2020 for height clearance from Airports Authority of India w.r.t. the proposed project and submitted a copy of the same. It is observed from the NOC that the site elevation is 565.6 mts AMSL, and the permissible top elevation is restricted to 792.49 mts AMSL. The SEAC noted that the height of the building is within the permissible top elevation restricted by the AAI.

The project is proposed within 10 km radius of Himayat Sagar and Osman Sagar Lakes. But, Nanakramguda (V) is not included in the list of 84 villages in the 10km catchment of above lakes as mentioned in the G.O.Ms. No: 111, MA, dt. 08.03.1996.

It is noted that the details of the Land use are as following:

S.No.	Details of land use	Area in Sq.m.	Area in %
1	Ground coverage area	8,433.97	44.90%
2	Road Area	5,164.61	27.49%
3	Green Area	2,689.30	14.32%
4	Open Area	2,497.32	13.29%
	<b>Net Site Area</b>	<b>18785.20</b>	<b>100%</b>
5	Road Widening	1449.1	
	<b>Total Area</b>	<b>20234.3</b>	

It was informed that the total built up area of the project is 2,25,548.54 Sq.m. The project consists of IT & Commercial Building (4B + 3S + G + 13 Floors + Terrace).

It is also noted that Parking area to be provided 95105.28 Sq.m., (69.62%) in Stilts & Basements with multilevel parking including stack parking to park about 2823 four wheelers and 1085 two wheelers. It was informed that D.G. Sets of capacity 6 x 2250 kVA will be provided for emergency power supply during occupational phase.

It was informed that the source of fresh water is HMWS&SB. The total water requirement during occupational stage is 572.0 KLD. Out of that, fresh water requirement is 400.0 KLD & recycled treated waste water is 172.0 KLD. Quantity of sewage generated is 493.0 KLD. It is proposed to treat the sewage in STP of capacity 600.0 KLD. The treated waste water will be used for: flushing the toilets, HVAC and development of greenery.

It was also informed that the Garbage (3260 kg/day) generated will be sent to Municipal Solid Waste disposal site; STP sludge (30 kg/day) will be used as manure; used oil and used batteries will be sent to Authorized Recyclers. E-waste, if any, will be disposed to the recyclers/dismantlers authorized by the TSPCB as per the E-waste Rules.

The total cost of the project is Rs. 190.0 Crores. The proponent is proposing budget for Environmental protection towards capital cost: Rs. 210.0 Lakhs and recurring cost: Rs. 20.0 lakhs/annum.

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

Agenda Item No. 35	M/s. Sthira Labs, Sy. No's : 253/3, 254/3, 255/10/3, 256/3, 257/3, 258/3, 259/3, 260/3, 262/3, Venkatraopet Village Talakondapally Mandal, Rangareddy District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/170998/2020 (EC)

The representative of the project proponent Sri Santosh, and Sri D. Sreekanth of M/s. Sri Sai Manasa Nature Tech. Pvt.Ltd., Hyderabad attended and made a presentation before the SEAC.

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

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

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

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

Total area is 3.59 Ha, out of which Green area is 1.36 Ha (35%).

Nearest human habitation is Venkatraopet (V) is at 840 mts; Nearest water body a Tank near Ranipur (V) is at 3.21 km from the proposed site. Nearest RF is Ramnutla Reserve Forest @ 7.74 km from the industry.

Project Cost for proposed expansion is Rs. 8 Crores. Budget for Environmental protection towards Capital Cost is Rs. 233 Lakhs and Recurring Cost is Rs. 20.3 Lakhs/annum. Budget for CER is Rs. 16 lakhs in first 5 years.

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

Products:

S.No	Name of the product	Quantity in KG/Month	Quantity in KG/Day
1	Azithromycin	3000	100.00
2	Metformin HCl	4000	133.33
3	Doxycycline	3000	100.00
4	Ciprofloxacin HCl	4000	133.33
5	Ritonavir	4000	133.33
6	Diclofenac Sodium	4000	133.33
7	Atorvastatin Calcium Trihydrate	3000	100.00
8	Acyclovir	4000	133.33
9	Cephalexin	2000	66.67
10	Rifampicin	1500	50.00
11	Streptomycin	500	16.67
12	Betamethasone	1000	33.33
13	Aspirin	4000	133.33
14	Carbamazepine	4000	133.33
15	Levofloxacin Hemihydrate	4000	133.33
	R&D Products	100	3.33
	<b>TOTAL</b>		<b>666.67 kgs/Day</b>

Manufacture with worst combination of any 5 products out of 15 products with maximum production capacity of 20 TPM and 100 KGS/Month of R&D products.

By-products:

S.No	Name of the By-product	Quantity in KG/DAY
1	Piperazine Hydrochloride	55.12
	<b>Total</b>	<b>55.12</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler;</b> Proposed: 1 x 5 TPH	30 m	Bag filters
2	<b>DG Sets;</b> Proposed; 1 x 500 kVA	Adequate height	Acoustic enclosure

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The process emissions containing Sulphur dioxide, Hydrochloric Acid, Hydrogen Chloride, Hydrogen Bromide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen gas, Nitrogen & Nitrous oxide 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:**

S.No.	Purpose	Water Requirement in KLD
1	Process	9.36
2	Washings	2
3	Boiler make up	24.12
4	Cooling towers make up	35.0
5	Domestic	3
6	Gardening	2
7	Scrubber System	2
	<b>TOTAL</b>	<b>77.48</b>

**Details of Effluent generation, treatment & disposal:**

S.No	Unit	HTDS KLD	LTDS KLD	Waste water Generation in KLD
1	Process	11.05	5.19	16.24
2	Washings	0	2	2
3	Boiler Blow Down	0	2.52	2.52
4	Cooling towers Blow Down	0	5.5	5.5
5	Scrubber System	2.274	0	2.274
6	Domestic	0	3	3
	<b>Total</b>	<b>13.324</b>	<b>18.21</b>	<b>31.534</b>

**Details of Solid Waste after expansion:**

Waste Generation & Management

**Solid and Hazardous Waste Details:** In operation phase generated domestic solid waste will be in the form of dry waste and wet waste. Domestic wet waste and dry waste will be disposed off through local body.

Hazardous solid waste generated will be collected, stored, transported and disposed as per Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016. Details of hazardous & non-hazardous are presented in below tables respectively.

E-waste will be disposed off with the help authorized E- waste vendors. Almost all computer & server providing companies like IBM, DELL, Acer and Wipro provide services for E-waste management like buyback, recycling or disposal facility.

No.	Description	Quantity
1	Organic Residue	645.77 Kgs/Day
2	Inorganic Residue	20 Kgs/Day
3	Spent Carbon	68.07 Kgs/Day
4	ETP Sludge	50 Kgs/Day
5	MEE Salts	2000 Kgs/Day
6	Waste Oils & Grease	200 LPA
7	Detoxified- Containers& Containers liners	300 No's / Month
8	Used Lead Acid Batteries	2 No's / Annum
9	Coal ash	2250 Kgs/Day
10	Stripper Solvent from MEE	150 Kgs/Day



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**PROCESS EMISSION DETAILS**

S. No.	Name of the Gas	Quantity Kg/Day	Disposal Method
1	Hydrogen chloride	153.28	Scrubbed by using C.S. Lye solution
2	Carbon dioxide	136.03	Dispersed into atmosphere
3	Ammonia	28.81	Scrubbed by using chilled Water
4	Hydrogen	2.13	Dispersed into atmosphere through flame arrester
	<b>TOTAL</b>	<b>320.25</b>	

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

<b>Agenda Item No. 36</b>	<b>M/s. Darwin Laboratories, Sy No. 26, Appareddypally Village, Madgul Mandal, Ranga Reddy District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/171397/2020 (EC)</b>

The representative of the project proponent Sri T. Subba Reddy; and Sri D. Steekarth of M/s. Sri Sai Manasa Nature Tech. Pvt.Ltd., Hyderabad attended and made a presentation before the SEAC.

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

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

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

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

Nearest human habitation is Appareddypalli (V) is at 920 mts; Nearest water body a Tank exists at 720 mts from the proposed site.

Total area is 2.02 Ha, out of which Green area is 0.84 Ha (41%).

Project Cost for proposed expansion is Rs. 8 Crores. Budget for Environmental protection towards Capital Cost is Rs. 233 Lakhs and Recurring Cost is Rs. 20.3 Lakhs/annum. Budget for CER is Rs. 16 lakhs in first 5 years.

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

**Products:**

S.No	Name of the product	Quantity in KG/Month	Quantity in KG/Day
1	Azithromycin	3000	100.00
2	Metformin HCl	4000	133.33
3	Doxycycline	3000	100.00
4	Ciprofloxacin HCl	4000	133.33
5	Ritonavir	4000	133.33
6	Diclofenac Sodium	4000	133.33
7	Atorvastatin Calcium Trihydrate	3000	100.00
8	Acyclovir	4000	133.33
9	Cephalexin	2000	66.67
10	Rifampicin	1500	50.00
11	Streptomycin	500	16.67
12	Betamethasone	1000	33.33
13	Aspirin	4000	133.33
14	Carbamazepine	4000	133.33
15	Levofloxacin Hemihydrate	4000	133.33
	R&D Products	100	3.33
	<b>TOTAL</b>		<b>666.67 kgs/Day</b>

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Manufacture with worst combination of any 5 products out of 15 products with maximum production capacity of 20 T/PM and 100 KG5/Month of R&D products.

**By-products:**

S.No	Name of the By-product	Quantity in KG/DAY
1	Piperazine Hydrochloride	55.12
	<b>Total</b>	<b>55.12</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Proposed; 1 x 5 TPH	30 m	Bag filters / ....
2	<b>DG Sets:</b> Proposed; 1 x 500 kVA	Adequate height	Acoustic enclosure

The process emissions containing Sulphur dioxide, Hydrochloric Acid, Hydrogen Chloride, Hydrogen Bromide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Oxygen gas, Nitrogen & Nitrous oxide 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:**

S.No.	Purpose	Water Requirement In KLD
1	Process	9.36
2	Washings	2
3	Boiler make up	24.12
4	Cooling towers make up	55.33
5	Domestic	3
6	Gardening	2
7	Scrubber System	2
	<b>TOTAL</b>	<b>97.81</b>

**Details of Effluent generation, treatment & disposal:**

S.No	Unit	HTDS KLD	LTDS KLD	Waste water Generation in KLD
1	Process	11.05	5.19	16.24
2	Washings	0	2	2
3	Boiler Blow Down	0	2.52	2.52
4	Cooling towers Blow Down	0	5.5	5.5
5	Scrubber System	2.274	0	2.274
6	Domestic	0	3	3
	<b>Total</b>	<b>13.324</b>	<b>18.21</b>	<b>31.534</b>

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**Details of Solid Waste after expansion:**

**Waste Generation & Management**

**Solid and Hazardous Waste Details:** In operation phase generated domestic solid waste will be in the form of dry waste and wet waste. Domestic wet waste and dry waste will be disposed off through local body.

Hazardous solid waste generated will be collected, stored, transported and disposed as per Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016. Details of hazardous & non-hazardous are presented in below tables respectively.

E-waste will be disposed off with the help authorized E- waste vendors. Almost all computer & server providing companies like IBM, DELL, Acer and Wipro provide services for E-waste management like buyback, recycling or disposal facility.

No.	Description	Quantity
1	Organic Residue	645.77 Kgs/Day
2	Inorganic Residue	20 Kgs/Day
3	Spent Carbon	68.07 Kgs/Day
4	ETP Sludge	50 Kgs/Day
5	MEE Salts	2000 Kgs/Day
6	Waste Oils & Grease	200 LPA
7	Detoxified- Containers& Containers liners	300 No's / Month
8	Used Lead Acid Batteries	2 No's / Annam
9	Coal ash	2250 Kgs/Day
10	Stripper Solvent from MEF	150 Kgs/Day

**PROCESS EMISSION DETAILS**

S. No.	Name of the Gas	Quantity Kg/Day	Disposal Method
1	Hydrogen chloride	153.28	Scrubbed by using C.S. Lye solution
2	Carbon dioxide	136.03	Dispersed into atmosphere
3	Ammonia	28.81	Scrubbed by using chilled Water
4	Hydrogen	2.13	Dispersed into atmosphere through flame arrester
	<b>TOTAL</b>	<b>320.25</b>	

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

<b>Agenda Item No. 37</b>	M/s. Paradigm Logistics & Distribution Pvt. Ltd., Plot No. 27A, Survey No. 124 (Part), Old united tractors IDA Nacharam, Secunderabad. - Environmental Clearance - Reg.
<b>Proposal No.</b>	SIATG/MIS/53775/2019 (EC/ Expansion)

Earlier, the SEAC in its meeting held on 20.11.2020 informed the proponent to submit Certified Compliance report on earlier EC conditions.

The proponent submitted Certified compliance report issued by TSPCB vide Ir.d.11.01.2021.

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

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<b>Agenda Item No. 38</b>	<b>Construction Multi- storied Residential Building by M/s. Narne Homes Pvt. Ltd., Sy.No. 74, 76/p, 117-119, 120/p, 122/p, 124-129, 132, 133, 134/p, 138/p, 139/p, 140 - 144, 145/p, 146/p, 150/p, 151/p, 152/p at Khajaguda Village, Serilingampally Mandal, Ranga Reddy District. - Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/MIS/191727/2021 (Violation Case)</b>

The representative of the project proponent Sri B. Eshan; and Sri Vipin Kumar of M/s. Mantras Green Resource Limited, Nasik attended and made a presentation before the SEAC.

During presentation it was observed that the proposal was examined by the SEIAA in its meeting held on 11.06.2020 and noted that the project is considered as a violation case and to be processed according to the S.O.804 (E), dt.14.03.2017 & S.O.1030 (E), dt.08.03.2018 and approved for issue of TORs. The SEIAA issued TORs vide Ir.dt. 29.06.2020 for preparation of EIA report.

The project proponent informed that 90% of the construction work has completed. Accordingly, a Ir.dt. 28.07.2020 was addressed to the State Government for taking action against the proponent on violation.

The proponent gone through the Credible action in the Hon'ble VIII Metropolitan Magistrate, Cyberabad, Rajendranagar with CC No.2035 of 2020. Subsequently, the proponent submitted final EIA report online on 07.01.2021.

It is noted that the details of the Land use are as following:

S.No.	Details of land use	Area in Sq.m.	Area in %
1	Ground coverage area	15658.80	28.35%
2	Amenities	713.80	1.29%
3	Road Area	11123.70	20.14%
4	Surface parking area	5682.50	10.29%
5	Green Area	5527.70	10.01%
6	Tot lot area	5531.10	10.01%
7	Open Area	10494.90	19.0%
8	Service area	507.40	0.92%
	<b>Total Area</b>	<b>55239.80</b>	<b>100.00</b>

It was informed that the total built up area of the project is 3,12,522.1 Sq.m. The project consists of Multi Storied Residential building with Blocks A to K; Block-A (B + S + 13 Floors); Block-B (B + S + 14 Floors); Block-C (B + S + 15 Floors); Block-D (B + S + 16 Floors); Block-E (B + S + 17 Floors); Block-F (B + S + 18 Floors); Block-G (B + S + 19 Floors); Block-H (B + S + 20 Floors); Block-I (B + S + 21 Floors); Block-J (B + S + 22 Floors); Block-K (B + S + 23 Floors); and Amenities (G-4 floors) to accommodate a total no. of 1664 units.

It is also noted that Parking area to be provided 1,11,793.6 Sq.m., (54.16%) in Stilts, Basement and open parking area to park about 2245 four wheelers and 3861 two wheelers. It was informed that D.G. Sets of capacity 11 x 500 kVA will be provided for emergency power supply during occupational phase.

It was informed that the source of fresh water is HMWS&SD. The total water requirement during occupational stage is 1205.0 KLD. Out of that, fresh water requirement is 805.0 KLD & recycled treated waste water is 400.0 KLD. Quantity of sewage generated is 964.0 KLD. It is proposed to treat the sewage in STP of capacity 1200.0 KLD. The treated waste water will be used for flushing the toilets and development of greenery. It was informed that the excess treated waste water will be discharged into the public sewer lines.

*Ch. Arif*

CHAIRMAN, SEAC

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It was also informed that the Garbage (4945.6 kg/day) generated will be sent to Municipal Solid Waste disposal site; STP sludge (45 kg/day) will be used as manure; used oil and used batteries will be sent to Authorized Recyclers. E-waste, if any, will be disposed to the recyclers/dismantlers authorized by the TSPCB as per the E-waste Rules.

The project proposed total cost of the project is Rs. 245.0 Crores. The proponent is proposing budget for Environmental protection towards capital cost: Rs. 3.62 Crores and recurring cost: Rs. 31.21 lakhs/annum.

The SEAC recommends the project for issue of EC subject to approval by the SEIAA for submission of Bank Guarantee for an amount of Rs.2,59,40,000.00/- (Rupees Two Crores Fifty Nine Lakhs Forty Thousand only) towards:

S.No.	Particular	Amount in Rs.
1	Ecological remediation cost	12969578.75
2	Natural resources augmentation cost	5187831.5
3	Community resource augmentation cost	7781747.25
	Total	<b>2,59,39,157.50</b>
	Total rounding off	<b>2,59,40,000.00</b>

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

Agenda Item No. 39	2.781 Ha. Colour Granite Mine of M/s. PSR Granites, Sy. No.21/1 of Sarvareddypally Village, Gangadhara Mandal, Karimnagar District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIN/140362/2020 (EC)

Earlier, the SEAC in its meeting held on 07.03.2020 constituted a Sub-Committee to inspect the site and submit report on present status of the project, impacts of the project on nearest human habitation, water body, surrounding environment, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 07.11.2020 and submitted the report. The following observations were made by the sub-committee members:

1. Mining operations have not been started at the site.
2. Nearest village is at a distance of 460 mtrs.
3. There are no water bodies within 300 mtrs.
4. Dumping yard is proposed on the north side of the property.

*No adverse impact is envisaged on the surroundings.*

*Environment clearance may be given subject to:*

1. Developing a green belt of at least 7.5Mtrs on the periphery of the mine.
2. Strengthen the roads used for transport in and around the mine.
3. Protect existing plants on the south side of the property.
4. Comply with other conditions as submitted to SEAC.

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

