

**MINUTES OF THE 74<sup>th</sup> MEETING OF  
STATE EXPERT APPRAISAL COMMITTEE,  
(SEAC), TELANGANA STATE  
HELD ON 31.07.2020, 10:30 A.M.**



**Minutes of the SEAC Meeting held on 31.07.2020**

**MINUTES OF THE 74<sup>th</sup> MEETING OF STATE EXPERT APPRISAL COMMITTEE (SEAC) HELD ON 31.07.2020 AT TSPCB, PARYAVARAN BHAVAN, A-3, I.E., SANATHNAGAR, HYDERABAD.**

The following members were present:

<b>S. No.</b>	<b>Name of the Expert</b>	<b>Position</b>
1.	Prof.Ch.Krishna Reddy, H.No: 2-2-20/L/7, #401. Golden towers – II, Raja Rajeshwari BLPG, D.D. Colony, Hyderabad. Ph: 9866629265	Chairman.
2.	Dr.(Ms)Thatiparthi Vijayalakshmi Plot No.110, Siddartha Nagar, S.R. Nagar Post, Hyderabad-500038. Ph: 9440896661	Member
3.	Shri Ravindra Samaya Mantri H.No: 3-5-44/1, Flat No. 301, Areadia Apartments, Edengaden Road, Hyderabad- 500001. Ph:9491145160	Member
4.	Dr.Vemula Vinod Goud, H.No. 6-156, Sridurga Estates, Deepthisri Nagar, Madinaguda, Hyderabad-500049. Ph:9440386945	Member
5.	Dr.K.Shivakumar, Plot No. 328, Flat No: 302, Mehar Ninan, KPHB 6 <sup>th</sup> phase, Kukatpally, Hyderabad-500072 Ph: 9951701067	Member
6.	Prof.C.Venkateshwar, Department of Botany, University College of Science. OU. Hyd. Flat No. 117, 'C' Block, Janapria castle, Ramnagar, Vidyanagar – Hyderabad Ph:9440487742 & 8096754604	Member

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

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**DECLARATION**

It is hereby declared that the Chairman and members of SEAC, T.S., do not have conflict of interest with any project proponent pertaining to the items discussed in the SEAC meeting held on 31.07.2020.

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

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<b>Agenda Item No. 01</b>	<b>M/s. Hindys Lab Pvt. Ltd, (Formerly known as Hychem Laboratories. Survey No. Parts of 289, 290, 291 and 292, Veliminedu Village, Chityal Mandal, Nalgonda District - Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/154174/2020 (EC)</b>

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

CFE issued on NAL-224/PCB/ZO/RCP/CFE/2006-65 dt.28.04.2006 for manufacturing of bulk drug intermediates & fine chemicals.

CFO issued on 13.03.2019 from TSPCB vide order no. TSPCB/RCP/NLG/CFO&HW/HO/2019 and the unit is operating.

The proponent submitted Self-compliance Report for conditions of 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 after proposed Expansion as follows:

Total area is 11 acres, out of which Green area is 3.7 acres (33.63%).

Nearest human habitation is Veliminedu (V) @ 0.85km; Nearest water body is Seasonal stream china vagu@5.5km; Nearest RF isChityal @ 7km from the industry.

Project Cost for proposed expansion is Rs.45 Crores. Budget for Environmental protection towards Capital Cost is Rs. 6.57 crores and Recurring Cost is Rs.6.97 crores. Budget for CER is Rs.75lakhs in first 5 years.

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

**Manufacturing Capacity – After Expansion:**

S.No	Product Name	Capacity	
		TPM	Kg/day
1	Amlodipine Besylate	31	1033.3
2	Clopidogrel Hydrogen Sulfate	35	1166.7
3	Dex Lansoprazole	1	33.3
4	Divolproex sodium	3.5	116.7
5	Dulaxetine	5	166.7
6	Glimepiride	0.6	20
7	Mesalamine	1	33.3
8	Metoprolol	7	233.3
9	Nebivolol HCL	39	1300.0
10	Pragabalin	1	33.3
11	Rosuvastatin	3	100
12	Sertraline HCl	34	1133.3
13	Valaciclovir	31	1033.3
14	2- Acetyl Ethoxy acetyl methoxy ether (AEA) (Acyclovir Intermediate)	57.4	1913.3
15	Trans-4-(4-chlorophenyl)-cyclohexane carboxylic acid (Atovaquone Intermediate)	0.5	16.7
16	5-Cyano phthalide (Citalopram Intermediate)	53	1766.7
17	Ethyl 3- {[3-Amino-4-(Methylamino) Benzoyl](Pyridine-2-Yl) Amino} Propanoate (EMP) (Dabigatran Etixilate Mesylate Intermediate)	1	33.3

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S.No	Product Name	Capacity	
		TPM	Kg/day
18	(S)-3-(Dimethylamino)-1-(2-thienyl)-1-propanol (DMTP) (Duloxetine Intermediate)	0.5	16.7
19	(Cis-Exo)-2,3-norbornane dicarboximide [BDX] (Lurosidone HCl Intermediate)	9	300
20	(1R,2R)-cyclohexane-1,2-diyl-bis (methylene) dimethane sulfonate [MOC] (Lurosidone HCl Intermediate)	1.5	50
21	2-[2-[3(S)-[3-[2-(7-Chloro-2-Quinoliny)]-ethenyl]phenyl]-3- hydroxypropyl]phenyl-2-propanol (CQHP) (Montelukast Sodium Intermediate)	15.5	516.7
22	2,8-Diazo bicyclo Nonane (Moxifloxacin Intermediate)	15.5	516.7
23	Carbamyl Methyl-5-Methyl hexanoic Acid (CMM) (Pragabalin Intermediate)	4	133.3
24	(2S,3S,5S)-2-Amino-3-Hydroxy-5-Tert-Butylcarbonyl Amino 1,6-Diphenyl (BDH pure) (Ritonavir Intermediate)	0.5	16.7
25	Tert-butyl 2-((4R,6S)-6-((E)-2-(4-(4-fluorophenyl)-6-isopropyl-2- (N- methylmethanesulfonamido)Pyrimidin - 5-yl)vinyl)-2,2- dimethyl-1,3-dioxane-4-yl-) acetate (TIN) (Rosuvastatin Intermediate)	18.6	620
26	Poly allyl amine HCl (Sevelamir Intermediate)	5	166.7
27	Dibenzimidazole (Telmisartan Intermediate)	36	1200
28	Diacetyl acyclovir (Valaciclovir Intermediate)	46	1533.3
29	Camphor sulfonyl dichloride (Intermediate of Esmoperazole Magnesium)	37	1233.3
30	D- Mandalic acid (Intermediate of Sertraline HCl)	35	1166.7
31	4-(3,4-Dichlorophenyl)-3,4-dihydro-N-methyl-1-(2H)- Naphthaleneimine (Intermediate of Sertraline Hcl)	56	1866.7
32	N2-(1-(S)-ethoxy carbonyl-3-phenyl propyl-N6-trifluoro acetyl- L-lyline (Intermediate of Lisinopril)	19	633.3
<b>Total Worst Case: 27 Products on Campaign Basis</b>		<b>600</b>	<b>20000</b>
<b>Co-Generation Power Plant</b>		<b>2 MW</b>	

**List of By Products after Expansion:**

S. No	Name of the Product	Stage	Name of the By Product	Quantity (Kg/day)
1	Clopidogrel hydrogen sulfate	I	P-toluene sulfonic acid	633
			Tartaric acid	552
2	Valcyclovir Hydrochloride Monohydrate		Phenyl acetic acid	371
3	3-Carbonylmethyl-5- methylhexanoic acid	II	Ammonium chloride	190

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Existing: 1 x 2TPH, Proposed: 2 x 8TPH 1 x 20TPH	15 m 30 m 30 m	Bag Filters
2	<b>DG Sets:</b> Existing: 1 X250 KVA, Proposed: 2 x 1500 KVA	Adequate Stack height	Acoustic enclosure
3	<b>Thermic Fluid Heater</b> Proposed: 1 x 2 lakh K.Cal/hr	15 m	---

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The process emissions containing Hydrogen Sulfide, Sulphur Dioxide, Hydrogen Chloride & Ammonia 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 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	154.7	--	154.7
2	Washings	10	--	10
3	Scrubber	20	--	20
4	Boiler Feed	190	20	210
5	Cooling Tower	300	77	377
6	RO/DM Rejects	20	--	20
7	Domestic	15	--	15
8	Gardening	10	--	10
	<b>Total water requirement</b>	<b>719.7</b>	<b>97</b>	<b>816.7</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	165.6	--	165.6	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	10	--	10	
3	Scrubber Effluent	20	--	20	
4	RO/DM Plant Rejects	20	--	20	
6	Boiler Blow downs	--	18	18	
7	Cooling tower Blow downs	--	45	45	
8	Domestic	--	12.5	12.5	
	<b>Total effluent Quantity</b>	<b>215.6</b>	<b>75.5</b>	<b>291.1</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Treatment/Disposal
1	Ash from Boiler	20 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	16.7 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent Residue	7.97 TPD	
4	Spent Solvent	160 KLD	Recovered within plant premises and reused
5	Mixed Solvent	17.8 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Stripper Distillate	2.7 KLD	Sent to Cement Industries for Co-incineration.
7	Spent Carbon	264 Kg/day	
8	Hyflow and Catalyst	238.2 Kg/day	Sent to TSDF/ Manufacturers / Suppliers / Authorized agencies
9	Inorganic Residue	1.9 TPD	Sent to TSDF
10	Evaporation salts	12.16 TPD	
11	ETP Sludge	3 TPD	
12	Detoxified containers	5000 No.s/Month	Sent to Authorized Recyclers
13	Waste oil	3 KLPA	
14	Used batteries	18 No.s/Yr	

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

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

<b>Agenda Item No. 02</b>	<b>M/s. S R Drugs &amp; Intermediates Pvt. Ltd., Plot No.24B/1, 24B/2, Phase-I, IDA, Beeramguda Village, Patancheru Mandal, Sangareddy District, Telangana – Environmental Clearance (Expansion)- Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/154162/2020 (EC)</b>

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

1<sup>st</sup> CFO issued on 16.01.2006 vide order no. APPCB/ PTN/ BLM/161 /RO/ W/ 2003/679-938 for manufacturing of bulk drug intermediates.

Latest CFO issued on 26.03.2016 & 06.08.2016 from TSPCB and the unit is operating.

The proponent submitted Self-compliance Report on compliance of CFO conditions.

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

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

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

Total area is 2acres, out of which Green area is 0.67 acres (33.5%).

Nearest human habitation is Beeramguda(V) @ 0.35km; Nearest RF isKhazipally RF @ 9km from the industry.

Project Cost for proposed expansion is Rs.4.5 Crores. Budget for Environmental protection towards Capital Cost is Rs. 2 crores and Recurring Cost is Rs.2.42crores. Budget for CER is Rs.10 lakhs in first 5 years.



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

**Products:**

S.No.	Name of the Product	Capacity(Kg/day)
1	Monochloroacetic acid	6000
2	Methyl Chloroacetate	5000
3	Sodium Monochloroacetate	1000
4	Hydroxychloroquine Sulphate	500
5	Favipiravir	100
6	Remdesivir	100
	<b>Total</b>	<b>12700</b>

**List of By Products:**

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPD
1	Monochloroacetic Acid	Hydrochloric Acid (20%)	15000	15

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Existing: 1 x 1TPH Proposed: 1 x 3 TPH	30 m 30 m	Bag Filters
2	<b>DG Sets:</b> Existing: 1 x 200 KVA Proposed: 1 x 500 KVA	3 m 4.5 m	Acoustic enclosure

The process emissions containing Hydrogen Bromide, Hydrogen Chloride, Carbon monoxide & Hydrogen fluoride are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Nitrogen & Oxygen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen & Hydrogen gas 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	24	--	24
2	Washings	2	--	2
3	Scrubber	5	--	5
4	Boiler Feed	16	10	26
5	Cooling Tower	25	42	67
6	RO/DM Rejects	5	--	5
7	Domestic	5	--	5
8	Gardening	3	--	3
	<b>Total water requirement</b>	<b>85</b>	<b>52</b>	<b>137</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	26	--	26	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	2	--	2	
3	Scrubber Effluent	5	--	5	
4	RO/DM Plant Rejects	5	--	5	
6	Boiler Blow downs	--	4	4	
7	Cooling tower Blow downs	--	10	10	
8	Domestic	--	4.5	4.5	
	<b>Total effluent Quantity</b>	<b>38</b>	<b>18.5</b>	<b>56.5</b>	

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**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	1.63 TPD	Sent to cement plants for co-incineration/TSDF
2	Solvent residue	712 Kg/day	
3	Spent Carbon	205 Kg/day	
4	Evaporation Salts	2.78 TPD	Sent to TSDF
5	ETP Sludge	621 Kg/day	
6	Hyflow	65 Kg/day	
7	Boiler Ash	6 TPD	Sent to brick manufacturers
8	Detoxified Container / Liners drums b) HDPE Carboys/ Drums	400 No. s/month	Disposed to TSPCB Authorized agencies after complete detoxification
9	PP Bags	50 Kg/Month	Sent to authorized agencies after detoxification
10	Spent Solvents	23.5 KLD	Recovered within plant premises and reused
11	Spent Mixed solvents	2.6 KLD	Authorized recyclers
12	Stripper Distillate	0.46 KLD	Sent to cement plants for co-incineration/TSDF
13	Waste oils	160 lit/Annum	Sent to authorized agencies
14	Used Lead acid Batteries	50 No.s/Year	Sent to suppliers on buy back basis
15	Contaminated filter cloth	0.01 TPM	Sent to TSDF
16	Spent HCl	--	Sent to authorized agencies
17	ML of MCA	10 Kl/month	

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development
- xv) Compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018 as per OM dt.31.10.2019 of the MoEF&CC, GoI.

Members of Sub-Committee:

1. Sri *Siva Kumar.*
2. Sri *Mantri*  
*Krishna Reddy.*

*Ch. Reddy*  
CHAIRMAN, SEAC

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<b>Agenda Item No.03</b>	<b>M/s. Actero Pharma Pvt.Ltd., Survey No.407 (Part) and 411, Veliminedu Village, Chityal Mandal, Nalgonda District, Telangana – Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/154471/2020 (EC)</b>

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

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

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

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

Total area is 11.275 acres, out of which Green area is 3.75 acres (33.25%).

Nearest human habitation is Pittampalli (V) @ 2.1km; Nearest water body is Seasonal stream chinna vagu@6.5km; Nearest RF isChityal @ 6.1km from the industry.

Proposed Project Cost is Rs.35 Crores. Budget for Environmental protection towards Capital Cost is Rs. 10 crores and Recurring Cost is Rs.7.88 crores. Budget for CER is Rs.80.0 lakhs in first 5 years.

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

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

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**List of By Products:**

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

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Proposed: 2 x 20 TPH 1 x 6 TPH	40 m 30 m	Bag filters
2	<b>Thermic Fluid Heater</b> Proposed: 1 x 2 Lakh K. Cal/hr	15 m	---
3	<b>DG Sets:</b> Proposed: 2 x 1500 KVA	Adequate stack height	Acoustic enclosure

The process emissions containing Sulphur Dioxide, Hydrogen Chloride & Ammonia are to be routed through Multi Stage Scrubber system. 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.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	148.9	--	148.9
2	Washings	15	--	15
3	Scrubber	20	--	20
4	Boiler Feed	80	85	165
5	Cooling Tower	180	235	415
6	RO/DM Rejects	20	--	20
7	Domestic	20	--	20
8	Gardening	10	--	10
	<b>Total water requirement</b>	<b>493.9</b>	<b>320</b>	<b>813.91</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	166	--	166	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make- up and Scrubbers.
2	Washings	15	--	15	
3	Scrubber Effluent	20	--	20	
4	RO/DM Plant Rejects	20	--	20	
6	Boiler Blow downs	--	18	18	
7	Cooling tower Blow downs	--	92	92	
8	Domestic	--	18	18	
	<b>Total effluent Quantity</b>	<b>221</b>	<b>128</b>	<b>348.7</b>	

**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Disposal
1	Ash from Boiler	11 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	27.2 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent Residue	10.6 TPD	Sent to TSDF/Cement Industries
4	Spent Solvent	280 KLD	Recovered within plant premises and reused

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S.No	Description	Quantity	Mode of Disposal
5	Mixed Solvent	31 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Stripper Distillate	4.5 KLD	Sent to Cement Industries for Co-incineration.
7	Spent Carbon	1.2 TPD	
8	Inorganic Residue	2.4 TPD	Sent to TSDF
9	Evaporation salts	9.1 TPD	
10	ETP Sludge	3.5 TPD	
11	Detoxified containers	5000 No.s/Yr	Sold to authorized vendors
12	Waste oil	5 KLPA	Sent to Authorized Recyclers
13	Used batteries	18 No.s/Yr	Sent to Authorized Recyclers

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on present status of the project, impacts of the proposed project on nearest human habitation, water body, RF and Surrounding environment, adequacy of EMP measures proposed, etc.,

Members of Sub-Committee:

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

<b>Agenda Item No.04</b>	<b>M/s. Cirex Pharmaceuticals Limited, Sy.No. 364(Part), 365, 371(Part), 372(Part), 373(Part), 378(Part), 429(Part), 430 (Part), 432(Part), 433(Part), 434(Part) and 435/1, Gundla Machnoor Village, Hatnoora Mandal, Sangareddy District, Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/155208/2020 (EC)</b>

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

EC obtained vide order no. F. No. J-11011/272/2003-IA. II (I), dt. 21.06.2005 from MoEF&CC for the existing unit.

Submitted copy of certified compliance report dt. 10.04.2018 issued by the Regional Office of the MoEF&CC, GoI, Chennai, as per O.M. dt.30.05.2012 & 07.09.2017 of MoEF&CC, GoI.

CFO issued on 24.02.2016 & CFO (Amendment) issued on 23.09.2019 from TSPCB and the unit is operating.

The proponent submitted Self-compliance report on CFO conditions.

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

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

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

Total area is 26.85 acres, out of which Green area is 10 acres (37.2%).

Nearest human habitation is Gundlamachanoor (V) @ 0.7km & Nakka Vagu flows @ 1.2 km from the industry.

Project Cost for proposed expansion is Rs.45.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 14.34 crores and Recurring Cost is Rs.26.9 crores. Budget for CER is Rs.112.5 lakhs in first 5 years.

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

**Manufacturing Capacity – After Expansion:**

S.No.	Product Name	Capacity	
		TPM	Kg/day
1	Arbidol	2	66.67
2	Azilsartan	1	16.67
3	Balofloxacin	6	200
4	Citalopram (Cyanodial HBr)	80	2671
5	Etoricoxib	45	1500
6	Gemifloxacin	40	1333.33
7	Garenoxacin	2	50
8	Hydroxy ethoxy piperazine	57	1900
9	Ilaprazole	1	16.67
10	Lansoprazole	35	1167
11	Leflunamide	83	2767
12	Lornoxicam	1	43.33
13	Losartan Potassium	63	2100
14	Olmesartan	1	33.33
15	Omeprazole	1	43.33
16	Omeprazole salts(Omeprazole Sodium)	80	2667
17	Pazufloxacin Mesylate	1	40
18	Prulifloxacin	0	3.33
19	Tadalafil	45	1500
20	Telmisartan	1	33.33
21	Tilorone	1	40
22	Torse mide	2	50
23	Tribenoside	64	2130
<b>Worst Case: Maximum 12 products on Campaign basis.</b>		<b>600</b>	<b>20001</b>
<b>Co- Generation Power Plant</b>		<b>2 x 2 MW</b>	

**List of By Products after Expansion:**

S.No	Name of Product	Stage	Name of By-Product	Capacity	
				Kg/day	TPM
1	Garenoxacin	I	t-Butanol	304.52	9.13

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

S.No	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Existing: 1x 3 TPH (Standby) 1 x 5 TPH  Proposed: 2 X20 TPH	30 m 30 m 40 m	Bag Filters
2	<b>DG Sets:</b> Existing: 2 X500 KVA, 1 X1010 KVA  Proposed:2 x 1500 KVA	Adequate stack height	Acoustic enclosure

The process emissions containing Hydrogen Flouride, Sulphur Dioxide, Hydrogen Chloride, & Hydrogen Sulfide are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Hydorgen are to be safely dispersed into the atmosphere.

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**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	275	--	275
2	Washings	15	--	15
3	Scrubber	20	--	20
4	Boiler Feed	90	175	265
5	Cooling Tower	150	320	470
6	RO/DM Rejects	40	--	40
7	Domestic	50	--	50
8	Gardening	40	--	40
	<b>Total water requirement</b>	<b>680</b>	<b>495</b>	<b>1175</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	286.8	--	286.8	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	15	--	15	
3	Scrubber Effluent	20	--	20	
4	RO/DM Plant Rejects	40	--	40	
5	Boiler Blow downs	--	20	20	
6	Cooling tower Blow downs	--	75	75	
7	Domestic	--	45	45	
<b>Total effluent Quantity</b>		<b>316.8</b>	<b>140</b>	<b>501.8</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Treatment/Disposal
1	Solvent residue	5.3 TPD	Sent to TDSF/Cement Plants for Co-incineration
2	Process Organic residue	7.13 TPD	
3	Stripper Distillate	4.6 KLD	
4	Spent Carbon	608 Kg/day	
5	Spent Solvents	179.5 KLD	Recovered within the plant premises.
6	Spent Mixed Solvents (Non-recoverable)	19.9 KLD	Sent to authorized recovery units/Cement plants for co-incineration
7	Inorganic residue	219 Kg/day	Sent to TSDF
8	Hyflow	285 Kg/day	
9	Catalyst	80 Kg/day	
10	Evaporation salts	8.37 TPD	
11	ETP Sludge	4.65 TPD	
12	STP Sludge	20 Kg/day	
13	Ash from Boiler	8.5 TPD	Sold to Brick manufactures
14	Detoxified containers	5000 No.s/Month	Sold to authorized vendors
15	Waste oil	3 KLPM	Sent to Authorized Recyclers
16	Used batteries	50 No.s/Yr	

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

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

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- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

- 1. Sri *Siva Kumar*
- 2. Sri *Mantri*  
*Krishna Reddy*

<b>Agenda Item No.05</b>	<b>M/s. Dasami Lab Pvt.Ltd., Survey No.404, 405, 407,408, 409 &amp; 410, Veliminedu Village, Chityal Mandal, Nalgonda District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/154154/2020 (EC)</b>

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

EC obtained vide order no. No. J-11011/533/2007-IA.II (I), dt. 21.02.2008 from MoEF&CC for the existing unit in the name of M/s. SVAKRM Laboratories Pvt. Ltd.

Submitted copy of certified compliance report dt. 16.07.2019 issued by the Regional Office of the MoEF&CC, GoI, Chennai, as per O.M. dt.30.05.2012 & 07.09.2017 of MoEF&CC, GoI.

CFE issued on 24.10.2011 and subsequently the company name was changed to M/s. Medhem Organic Pvt. Ltd. (in 2013), then to M/s. Helious Lab Pvt. Ltd. (in 2015) & then to M/s. Dasami Lab Pvt. Ltd.

Latest CFO issued on 29.08.2018 from TSPCB vide order no. TSPCB/ RCP/NLG/HO/CFO/2018 –2017 and the unit is operating.

The proponent submitted Self-compliance Report on CFO conditions

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

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

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

Total area is 51 acres, out of which Green area is 18 acres (35.3%).

Nearest human habitation is Pittampalli(V) @ 2.2 km; Nearest water body is Seasonal nala Chinna Vagu @ 6.5 km; Nearest RF is Chityal @ 6 km from the industry.

Project Cost for proposed expansion is Rs.60 Crores. Budget for Environmental protection towards Capital Cost is Rs. 24.18 crores and Recurring Cost is Rs.16.8 crores. Budget for CER is Rs.60lakhs in first 5 years.



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

S.No	Name of Product	Capacity	
		TPM	Kg/day
1	Amlodipine Besylate	50	1666.7
2	Aprimilast	33	1100
3	Bocepravir	6	200
4	Bupropion HCl	50	1666.7
5	Carvedilol	60	2000
6	Clopidogrel Hydrogen Bisulfate	40	1333.3
7	Colisevelam	6	200
8	Dalfampridine	17	566.7
9	Dex lansoprazole	5	166.7
10	Divalproex Sodium	45	1500
11	Drotaverine HCl	3	100
12	Duloxetine HCl	15	500
13	Esli Carbazapine	2	66.7
14	Fexofenadine HCl	10	333.3
15	Glimepride	3	100
16	Lansoprazole	8	266.7
17	Lomitapide	2	66.7
18	Mesalamine	7	233.3
19	Nebumitone	10	333.3
20	Omeprazole	5	166.7
21	Piperquine Phosphate	5	166.7
22	posacanazole	7	233.3
23	Ramipril	7	233.3
24	Ranolazine	10	333.3
25	Sevelamir HCl	29	966.7
26	Sparfloxacin	20	666.7
27	Telapravir	5	166.7
28	Ticagrelor	1	33.3
29	Tramadol HCl	12	400
30	Valacyclovir	6	200
31	Valagancyclovir HCl	2	66.7
32	Abiraterone Acetate	1	33.3
33	Anastrozole	2	66.7
34	Bendamustine Hydrochloride	2	83.3
35	Bexarotene	3	100
36	Bicalutamide	5	166.7
37	Bortezomib	1	16.7
38	Carboplatin	5	166.7
39	Capecitabine	2	66.7
40	Cisplatin	2	66.7
41	Cyclophosphamide	2	66.7
42	Dasatinib	2	66.7
43	Emtricitabine	60	2000
44	Erlotinib HCl	4	133.3
45	Gefitinib	2	66.7
46	Gemcitabine HCl	1	33.3
47	Imatinib Mesylate	46	1533.3
48	Irinotecan HCl	14	466.7
49	Lapatinib Ditosylate Monohydrate	2	66.7
50	Letrozole	2.5	83.3
51	Nilotinib HCl	2	66.7
52	Oxaliplatin	4	133.3
53	Pazopanib Hydrochloride	2	66.7
54	Pemetrexed Disodium	0.5	16.7
55	Sorafenib Tosylate	21	700

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56	Temozolomide	1	33.3
57	Sunitinib Malate	6	200
<b>Total - Worst Case 27 Products on campaign basis</b>		<b>600</b>	<b>20000</b>
<b>Co-generation Power Plant</b>		<b>2 MW</b>	

**List of By Products after Expansion:**

S. No	Name of Product	Stage	Name of By Product	Quantity (Kg/day)
1	Amlodipine Besylate	I	Phthalic acid	488
2	Clopidogrel Hydrogen Sulphate	I	p-Toluene sulfonic acid	683.4
			Tarataric acid	596
3	Duloxetine HCl	I	Sodium Phenyl Carbonate	240
			Ethyl Acetate	132
4	Emtricitabine	I	Triethyl amine HCl	819.4

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Existing: 1 x 5 TPH Proposed: 2 x 10 TPH 1 x 20 TPH	30 m 35 m 40 m	Bag Filters
2	<b>DG Sets:</b> Existing: 1 x 380 KVA, Proposed: 3 x 1000 KVA	Adequate stack height	Acoustic enclosures

The process emissions containing Hydrogen Chloride, Hydrogen Sulfide, Sulphur Dioxide, Diborane & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Oxygen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen & Hydrogen gas 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	137.6	--	137.6
2	Washings	25	--	25
3	Scrubber	--	20	20
4	Boiler Feed	75	70	145
5	Cooling Tower	185	230	415
6	RO/DM Rejects	20	--	20
7	Domestic	25	--	25
8	Gardening	15	--	15
<b>Total water requirement</b>		<b>482.6</b>	<b>320</b>	<b>802.6</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	157.5	--	157.5	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	25	--	25	
3	Scrubber Effluent	20	--	20	
4	RO/DM Plant Rejects	20	--	20	
5	Boiler Blow downs	--	20	20	
6	Cooling tower Blow downs	--	82	82	
7	Domestic	--	20	20	
<b>Total effluent Quantity</b>		<b>222.5</b>	<b>122</b>	<b>344.5</b>	

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**Details of Solid Waste after expansion:**

S. No	Description	Quantity	Mode of Treatment/Disposal
1	Ash from Boiler	13.8 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	9.74 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent Residue	8.43 TPD	Sent to TSDF/Cement Industries
4	Spent Solvent	1830 KLD	Recovered within plant premises and reused
5	Mixed Solvent	20.3 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Stripper Distillate	4 KLD	Sent to Cement Industries for Co-incineration.
7	Spent Carbon	1223 Kg/day	
8	Hyflow and Catalyst	242.5	Sent to TSDF/ Manufacturers / Suppliers / Authorized agencies
9	Inorganic Residue	3.64 TPD	Sent to TSDF
10	Evaporation salts	9.46 TPD	
11	ETP Sludge	3330 Kg/day	
12	Detoxified containers	2500 No.s/Yr	Sold to authorized vendors
13	Waste oil	5.6 KLPA	Sent to Authorized Recyclers
14	Used batteries	24 No.s/Yr	Sent to Authorized Recyclers

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

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

<b>Agenda Item No.06</b>	<b>M/s. Hazelo Lab Pvt.Ltd., Survey No. 240, 242, 247, 248 and 249, Dothigudem Village, Pochampally Mandal, Yadadri Bhuvanagiri District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/155662/2020 (EC)</b>

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

*Ch. Reddy*  
**CHAIRMAN, SEAC**

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CFE issued on 5099/PCB/ZO/RCP/CFE/2005-819 dt. 23.12.2005 for manufacturing of bulk drug intermediates in the name of M/s. Venlar Labs Pvt. Ltd.

CFO (Amendment) on 31.01.2016 for change of name from M/s. Venlar Labs Pvt. Ltd. to M/s. Hazelo Lab Pvt. Ltd. Latest CFO was issued on 30.05.2017 from TSPCB vide order no. TSPCB/RCP/NLG/HO/2017 - 810 and the unit is operating.

The proponent submitted Self-compliance Report on CFO conditions.

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

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

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

Total area is 20 acres, out of which Green area is 7 acres (35%).

Nearest human habitation is Antammagudem (V) @ 0.65km; Nearest water body is chinna musi river@5.8km; Nearest RF is Lakkaram RF @ 1.2 km from the industry.

Project Cost for proposed expansion is Rs.45.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 12.43 crores and Recurring Cost is Rs.16.63 crores. Budget for CER is Rs.55lakhs in first 5 years.

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

S.No	Name of Product	Capacity (TPD)
1	Amlodipine Besylate	0.83
2	Bupropion HCl	1.83
3	Clopidogrel Hydrogen Sulfate	0.33
4	Desvelofloxin Succinate	0.17
5	Divolproex Sodium	1.57
6	Dulaxetine HCl	0.17
7	Esomeprazole Mg Dihydrate	0.33
8	Glimepiride	0.17
9	Mesalamine	0.17
10	Metoprolol Succinate	1
11	Pantoprazole Sodium Sesquihydrate	1
12	Pragabalin	1
13	Rosuvastatin Calcium	0.1
14	Sertraline HCl	0.33
15	Tramadal	1.17
16	Valcyclovir Hydrochloride Monohydrate	0.33
17	4-[4-Chloro-1-oxobutyl]-2,2- dimethyl phenyl acetic acid methyl ester	0.1
18	N2-(1-(S)-ethoxy carbonyl-3-phenyl propyl-N6-trifluoro acetyl-L-lysine	0.17
19	2-[2-[3(S)-[3-[2-(7-Chloro-2-Quinoliny)-ethenyl]phenyl]-3-hydroxypropyl]phenyl-2-propanol	0.1
20	2,8-Diazo bicyclo Nonane	0.17
21	2,3,4,5-Bis-O- (1- methylethylidene)-b-D-fructopyranose	0.83
22	2- Acetyl Ethoxy acetyl methoxy ether	1.63
23	N,N-Carbonyl di imidazole	2.17
24	(2S,3S,5S)-2-Amino-3-Hydroxy-5-Tert-Butylcarbonyl Amino 1,6-diohenyl	0.1
25	Trans-4-(4-chlorophenyl)-cyclohexane carboxylic acid	0.1
26	Guanine	1.98
27	Poly allyl amine HCl	0.5
28	Tert-butyl 2-((4R,6S)-6-((E)-2-(4-(4-fluorophenyl)-6-isopropyl-2-(N-	0.17

*Ch. Aravind*

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	methylmethane sulfonamido) Pyrimidin - 5-yl)vinyl)-2,2-dimethyl-1,3-dioxane-4-yl-) acetate	
29	5-Cyano phthalide	0.67
30	1,1-Cyclohexanediactic acid	1.67
31	Carbamyl Methyl-5-Methyl hexanoic Acid	0.50
32	2',3'-Di-O-acetyl-5'-deoxy-5-fluorocytidine	0.13
33	N-(2-Methyl-5-aminophenyl)-4-(3-pyridyl)-2-pyrimidine amine	0.33
34	4-[(4-Methylpiperazin-1-yl) methyl] benzoic acid dihydrochloride	0.33
35	2, 3-Epoxy-2-methyl-N-[4-cyano-3-(trifluoromethyl) phenyl] propanamide	0.17
	<b>Worst Case: 20 products on Campaign basis</b>	<b>20</b>
	<b>Co- Generation Power Plant</b>	<b>1 x 2 MW</b>

**List of By Products after Expansion:**

S.No	Name of Product	Stage	Name of By-Product	Quantity	
				Kg/day	TPM
1	Clopidogrel hydrogen sulfate	I	p-toluene sulfonic acid	180.8	5.4
2	1,1-Carbonyl diimidazole	I	Trichloromethanol	3622.7	108.7

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Proposed: 1 x 20 TPH 1 x 12 TPH	40 m 35 m	Bag Filters
2	<b>Thermic Fluid Heater</b> Existing: 1 x 1 Lac K.Cal/hr Proposed: 1 x 2 Lac K.Cal/hr	15 m 15 m	-- --
3	<b>DG Sets:</b> Existing: 1 x 250 KVA, Proposed: 2 x 1500 KVA	Adequate stack height	Acoustic enclosures

The process emissions containing Hydrogen Bromide, Sulphur Dioxide, Hydrogen Chloride & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide 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	111.3	--	111.3
2	Washings	10	--	10
3	Scrubber	15	--	15
4	Boiler Feed	90	85	175
5	Cooling Tower	185	160	345
6	RO/DM Rejects	20	--	20
7	Domestic	10	--	10
8	Gardening	10	--	10
	<b>Total water requirement</b>	<b>451.3</b>	<b>245</b>	<b>696.3</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	125.8	--	125.8	Zero Liquid Discharge System and treated effluent reused in cooling towers make-
2	Washings	10	--	10	
3	Scrubber Effluent	15	--	15	
4	RO/DM Plant Rejects	20	--	20	

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6	Boiler Blow downs	--	15	15	up, Boilers Make up and cooling tower.
7	Cooling tower Blow downs	--	60	60	
8	Domestic	--	9	9	
<b>Total effluent Quantity</b>		<b>170.8</b>	<b>84</b>	<b>254.8</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Treatment/Disposal
1	Solvent residue	4.35 TPD	Sent to TDSF/Cement Plants for Co-incineration
2	Organic residue	10.88 TPD	
3	Stripper Distillate	4.2 KLD	
4	Spent Carbon	508 Kg/day	Recovered within the plant premises.
5	Spent Solvents	160 KLD	
6	Spent Mixed Solvents	18 KLD	Sent to authorized recovery units/Cement plants for co-incineration
7	Inorganic residue	4.5 TPD	Sent to TSDF
8	Hyflow	78 Kg/day	
9	Catalyst	200 Kg/day	
10	Evaporation salts	13.7 TPD	
11	ETP Sludge	3.11 TPD	
12	Ash from Boiler	10.9 TPD	Sold to Brick manufactures
13	Detoxified containers	8000 No.s/month	Sold to authorized vendors
14	Waste oil	5.36 KLPA	Sent to Authorized Recyclers
15	Used batteries	700 No.s/Yr	

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

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

<b>Agenda Item No.07</b>	<b>M/s. Honour Lab Ltd., Survey No. 200, 201, 202, 203, 203A, 204 &amp; 206A, 205/E, 221 (Part), 518/A, IDA Bonthapally, Gummadidala mandal, Sangareddy District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SlA/TG/IND2/156223/2020 (EC)</b>

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

*Ch. Arif*  
CHAIRMAN, SEAC

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EC obtained vide order no. SEIAA/TS/MDK-34/2015-1718 dated 10.11.2015 from the Telangana State SEIAA for the existing unit.

Submit copy of certified compliance report issued by the Regional Office of the MoEF&CC, GoI, Chennai, as per O.M. dt.30.05.2012 & 07.09.2017 of MoEF&CC, GoI.: on

CFE issued on 23.12.2015

CFO issued on 30.01.2017 from TSPCB vide order no. TSPCB/RCP/CFO&HWA/HO/2017-2869 and the unit is operating.

The proponent submitted Self compliance Report on CFO condition.

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

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

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

Total area is 24.6 acres, out of which Green area is 8.82 acres (35.85%).

Nearest human habitation is Bonthapally (V) @ 0.2km; Kattu Kalva @ 4.2 km; Nearest RF is Jinnaram RF @ 2.4km from the industry.

Project Cost for proposed expansion is Rs.35 Crores. Budget for Environmental protection towards Capital Cost is Rs. 9.02 crores and Recurring Cost is Rs.10.55 crores. Budget for CER is Rs.47 lakhs in first 5 years.

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

S.No	Name of the Product	Capacity (TPD)
1	(S,R) N-protected Oxirane	1.78
2	(S,S) N-protected Oxirane	3.47
3	Amino Butyramide	3.14
4	Amino Pyrimidinone	4.29
5	Aminochloro Trifluoro acetophenone	3.64
6	Bicyclononane	0.0003
7	Butyl diazaspirononenone	0.0033
8	Dibenzothiazepinone	1.99
9	Ethyl toluenesulfonyl methyl phosphate	3.47
10	Ethynyl cyclopropane	2.64
11	Halopyridine carboxylic acid	2.64
12	Levetiracetam	1.79
13	Magnesium tert-Butoxide	2.64
14	Nevirapine	1.76
15	Tramadol	1.83
	<b>Worst Case - 12 Products</b>	<b>33.34</b>
	<b>Co-generation Power Plant</b>	<b>2 x 2 MW</b>

**List of By Products:**

S.No	Name of the Product	Name of the By-Product	Quantity (TPD)	
			Existing/ Permitted	After Expansion
1	(S,R) N-protected Oxirane	t-Butyl Hydrogen Carbonate	0.89	2.4
2	Amino Pyrimidinone	Sodium Sulphate	4.2	
3	Halopyridine carboxylic acid	Phosphoric Acid	0.86	1.4

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4	Aminochloro Trifluoro acetophenone	Pivalic acid	---	1.7
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**Details of Utilities, Stacks & Air pollution control equipment's after expansion:**

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Existing: 1 x 20 TPH Proposed: 1 x 20 TPH(Standby)	40 m 40 m	Multi cyclone separator
2	<b>Thermic Fluid Heater</b> Proposed: 2 x 2 Lac K.Cal/hr	15 m	--
3	<b>DG Sets:</b> Existing: 2 x 1020 KVA, 2 x 720 KVA, Proposed: 3 x 1500 KVA	Adequate stack height	Acoustic enclosure

The process emissions containing Hydrogen Iodide is to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Hydrogen Oxygen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen gas 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	185	--	185
2	Washings	20	--	20
3	Scrubber	5	10	15
4	Boiler Feed	80	100	180
5	Cooling Tower	400	340	740
6	RO/DM Rejects	65	--	65
7	Domestic	25	--	25
8	Gardening	20	--	20
	<b>Total water requirement</b>	<b>800</b>	<b>450</b>	<b>1250</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	204.4	--	204.4	Zero Liquid Discharge System and treated effluent reused in cooling towers make-up, Boilers Make up and cooling tower.
2	Washings	20	--	20	
3	Scrubber Effluent	15	--	15	
4	RO/DM Plant Rejects	65	--	65	
6	Boiler Blow downs	--	20	20	
7	Cooling tower Blow downs	--	120	120	
8	Domestic	--	23	23	
	<b>Total effluent Quantity</b>	<b>304.4</b>	<b>163</b>	<b>467.4</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Treatment/Disposal
1	Ash from Boiler	13.7 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	17.52 TPD	Sent to TDSF/Cement Plants for Co-incineration



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3	Solvent Residue	7.64 TPD	Sent to TSDF/Cement Industries
4	Spent Solvent	144.3 KLD	Recovered within plant premises and reused
5	Mixed Solvent	61.8 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Stripper Distillate	6.1 KLD	Sent to Cement Industries for Co-incineration.
7	Spent Carbon	0.53 TPD	
8	Hyflow and Catalyst	60 Kg/day	Sent to TSDF/ Manufacturers / Suppliers / Authorized agencies
9	Inorganic Residue	7.46 TPD	Sent to TSDF
10	Evaporation salts	16.42 TPD	
11	ETP Sludge	5.73 TPD	
12	Detoxified containers	5000 No.s/Yr	Sold to authorized vendors
13	Waste oil	13.2 KLPA	Sent to Authorized Recyclers
14	Used batteries	2600 No.s/Yr	Sent to Authorized Recyclers

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development
- xv) Compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018 as per OM dt.31.10.2019 of the MoEF&CC, GoI.

Members of Sub-Committee:

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

<b>Agenda Item No.08</b>	<b>M/s. Anasia Lab Pvt. Ltd., Survey No. 243 and 244, Antammagudem Village, Pochampally Mandal, Yadadri Bhuvanagiri District., Telangana – Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/156470/2020 (EC)</b>

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

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

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

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

Total area is 21 acres, out of which Green area is 7.2 acres (34.28%).

Nearest human habitation is Antammagudem(V) @ 0.65km; Nearest water body is Seasonal stream Chinna musu river @ 5.8km; Nearest RF is Lakkaram @ 1.2km from the industry.

Proposed Project Cost is Rs.45.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 12.43 crores and Recurring Cost is Rs.16.63 crores. Budget for CER is Rs.93 lakhs in first 5 years.

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

S.No	Name of Product	Capacity (TPD)
1	Amlodipine Besylate	0.83
2	Bupropion HCl	1.83
3	Clopidogrel Hydrogen Sulfate	0.33
4	Desvelofloxin Succinate	0.17
5	Divolproex Sodium	1.57
6	Duloxetine HCl	0.17
7	Esomeprazole Mg Dihydrate	0.33
8	Glimepiride	0.17
9	Mesalamine	0.17
10	Metoprolol Succinate	1
11	Pantoprazole Sodium Sesquihydrate	1
12	Pragabalin	1
13	Rosuvastatin Calcium	0.1
14	Sertraline HCl	0.33
15	Tramadol	1.17
16	Valcyclovir Hydrochloride Monohydrate	0.33
17	4-[4-Chloro-1-oxobutyl]-2,2- dimethyl phenyl acetic acid methyl ester	0.1
18	N2-(1-(S)-ethoxy carbonyl-3-phenyl propyl-N6-trifluoro acetyl-L-lysine	0.17
19	2-[2-[3(S)-[3-[2-(7-Chloro-2-Quinoliny)-ethenyl]phenyl]-3-hydroxypropyl]phenyl-2-propanol	0.1
20	2,8-Diazo bicyclo Nonane	0.17
21	2,3,4,5-Bis-O- (1- methylethylidene)-b-D-fructopyranose	0.83
22	2- Acetyl Ethoxy acetyl methoxy ether	1.63
23	N,N-Carbonyl di imidazole	2.17
24	(2S,3S,5S)-2-Amino-3-Hydroxy-5-Tert-Butylcarbonyl Amino 1,6-diohenyl	0.1
25	Trans-4-(4-chlorophenyl)-cyclohexane carboxylic acid	0.1
26	Guanine	1.98
27	Poly allyl amine HCl	0.5
28	Tert-butyl 2-((4R,6S)-6-((E)-2-(4-(4-fluorophenyl)-6-isopropyl-2-(N-methylmethane sulfonamido) Pyrimidin - 5-yl)vinyl)-2,2-dimethyl-1,3-dioxane-4-yl-) acetate	0.17
29	5-Cyano phthalide	0.67
30	1,1-Cyclohexanediactic acid	1.67
31	Carbamyl Methyl-5-Methyl hexanoic Acid	0.50
32	2',3'-Di-O-acetyl-5'-deoxy-5-fluorocytidine	0.13
33	N-(2-Methyl-5-aminophenyl)-4-(3-pyridyl)-2-pyrimidine amine	0.33
34	4-[(4-Methylpiperazin-1-yl) methyl] benzoic acid dihydrochloride	0.33
35	2, 3-Epoxy-2-methyl-N-[4-cyano-3-(trifluoromethyl) phenyl] propanamide	0.17
	<b>Worst Case: 20 products on Campaign basis</b>	<b>20</b>
	<b>Co- Generation Power Plant</b>	<b>1 x 2 MW</b>

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**List of By Products:**

S.No	Name of Product	Stage	Name of By-Product	Quantity	
				Kg/day	TPM
1	Clodidogrel hydrogen sulfate	I	p-toluene sulfonic acid	180.8	5.4
2	1,1-Carbonyl diimidazole	I	Trichloromethanol	3622.7	108.7

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Proposed: 1 x 20 TPH 1 x 12 TPH	40 m 35 m	Bag filters
2	<b>Thermic Fluid Heater</b> Proposed: 1 x 2 Lac K.cal/hr	15 m	--
3	<b>DG Sets:</b> Proposed: 2 x 1500 KVA	Adequate stack height	Acoustic enclosure

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

**Details of Water requirement:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	111.3	--	111.3
2	Washings	10	--	10
3	Scrubber	15	--	15
4	Boiler Feed	90	85	175
5	Cooling Tower	185	160	345
6	RO/DM Rejects	20	--	20
7	Domestic	10	--	10
8	Gardening	10	--	10
	<b>Total water requirement</b>	<b>451.3</b>	<b>245</b>	<b>696.3</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	125.8	--	125.8	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	10	--	10	
3	Scrubber Effluent	15	--	15	
4	RO/DM Plant Rejects	20	--	20	
6	Boiler Blow downs	--	15	15	
7	Cooling tower Blow downs	--	60	60	
8	Domestic	--	9	9	
	<b>Total effluent Quantity</b>	<b>170.8</b>	<b>84</b>	<b>254.8</b>	

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**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Treatment/Disposal
1	Solvent residue	4.35 TPD	Sent to TDSF/Cement Plants for Co-incineration
2	Process Organic residue	10.88 TPD	
3	Stripper Distillate	4.2 KLD	
4	Spent Carbon	508 Kg/day	
5	Spent Solvents	160 KLD	Recovered within the plant premises.
6	Spent Mixed Solvents	18 KLD	Sent to authorized recovery units/Cement plants for co-incineration
7	Inorganic residue	4.5 TPD	Sent to TSDF
8	Hyflow	78 Kg/day	
9	Catalyst	200 Kg/day	
10	Evaporation salts	13.7 TPD	
11	ETP Sludge	3.11 TPD	
12	Ash from Boiler	10.9 TPD	Sold to Brick manufactures
13	Detoxified containers	8000 No.s/Month	Sold to authorized vendors
14	Waste oil	5.36 KLPA	Sent to Authorized Recyclers
15	Used batteries	700 No.s/Yr	

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit and submit a report on impacts of the proposed project on nearest human habitation, water body, RF & surrounding environment, etc.,

Members of Sub-Committee:

1. Sri *Suvarn*
2. Sri *Mijaya Laxmi*  
*Krishna Reddy.*

<b>Agenda Item No.09</b>	<b>M/s. Dhatri Lab Pvt. Ltd., Survey No. 691 to 693, 695, 696, 749 and 750, Peddakaparthi Village, Chityal Mandal, Nalgonda District., Telangana – Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/156383/2020 (EC)</b>

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

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

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

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

Total area is 25 acres, out of which Green area is 8.25 acres (33%).

Nearest human habitation is Pittampalli(V) @ 2.2km; Nearest water body is Chinna vagu @ 6.5km; Nearest RF is Chityal @ 6km from the industry.

Proposed Project Cost is Rs.45 Crores. Budget for Environmental protection towards Capital Cost is Rs. 24.18 crores and Recurring Cost is Rs.16.8 crores. Budget for CER is Rs.93 lakhs in first 5 years.

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

S.No	Name of Product	Capacity	
		TPM	Kg/day
1	Amlodipine Besylate	50	1666.7
2	Aprimilast	33	1100
3	Bocepravir	6	200
4	Bupropion HCl	50	1666.7
5	Carvedilol	60	2000
6	Clopidogrel Hydrogen Bisulfate	40	1333.3
7	Colisevelam	6	200
8	Dalfampridine	17	566.7
9	Dex lansoprazole	5	166.7
10	Divalproex Sodium	45	1500
11	Drotaverine HCl	3	100
12	Duloxetine HCl	15	500
13	EsliCarbazapine	2	66.7
14	Fexofenadine HCl	10	333.3
15	Glimepride	3	100
16	Lansoprazole	8	266.7
17	Lomitapide	2	66.7
18	Mesalamine	7	233.3
19	Nebumitone	10	333.3
20	Omeprazole	5	166.7
21	Piperquine Phosphate	5	166.7
22	posacanazole	7	233.3
23	Ramipril	7	233.3
24	Ranolazine	10	333.3
25	Sevelamir HCl	29	966.7
26	Sparfloxacin .	20	666.7
27	Telapravir	5	166.7
28	Ticagrelor	1	33.3
29	Tramadol HCl	12	400
30	Valacyclovir	6	200
31	Valagancyclovir HCl	2	66.7
32	Abiraterone Acetate	1	33.3
33	Anastrozole	2	66.7
34	BendamustineHydochloride	2	83.3
35	Bexarotene	3	100
36	Bicalutamide	5	166.7
37	Bortezomib	1	16.7
38	Carboplatin	5	166.7
39	Capecitabine	2	66.7
40	Cisplatin	2	66.7
41	Cyclophosphamide	2	66.7
42	Dasatinib	2	66.7
43	Emtricitabine	60	2000
44	Erlotinib HCl	4	133.3
45	Gefitinib	2	66.7
46	Gemcitabine HCl	1	33.3
47	Imatinib Mesylate	46	1533.3
48	Irinotecan HCl	14	466.7
49	Lapatinib Ditosylate Monohydrate	2	66.7
50	Letrozole	2.5	83.3
51	Nilotinib HCl	2	66.7
52	Oxaliplatin	4	133.3
53	Pazopanib Hydrchloride	2	66.7
54	Pemetrexed Disodium	0.5	16.7
55	Sorafenib Tosylate	21	700
56	Temozolomide	1	33.3
57	Sunitinib Malate	6	200
<b>Total - Worst Case 27 Products on campaign basis</b>		<b>600</b>	<b>20000</b>
<b>Co-generation Power Plant</b>			<b>2 MW</b>

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**List of By-products**

S. No	Name of Product	Stage	Name of By Product	Quantity (Kg/day)
1	Amlodipine Besylate	I	Phthalic acid	488
2	Clopidogrel Hydrogen Sulphate	I	p-Toluene sulfonic acid	683.4
			Tarataric acid	596
3	Duloxetine HCl	I	Sodium Phenyl Carbonate	240
			Ethyl Acetate	132
4	Emtricitabine	I	Triethyl amine HCl	819.4

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Proposed: 2 x 10 TPH 1 x 20 TPH	35 m 40 m	Bag filters
2	<b>DG Sets:</b> Proposed: 3 x 1000 KVA	Adequate stack height	Acoustic enclosure
3	<b>Thermic Fluid Heater</b> Proposed: 1 x 2 Lakh K.cal/hr	15m	--

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

**Details of Water requirement:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	137.6	--	137.6
2	Washings	25	--	25
3	Scrubber	--	20	20
4	Boiler Feed	75	70	145
5	Cooling Tower	185	230	415
6	RO/DM Rejects	20	--	20
7	Domestic	25	--	25
8	Gardening	15	--	15
	<b>Total water requirement</b>	<b>482.6</b>	<b>320</b>	<b>802.6</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	157.5	--	157.5	Zero Liquid Discharge System ie., <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	25	--	25	
3	Scrubber Effluent	20	--	20	
4	RO/DM Plant Rejects	20	--	20	
6	Boiler Blow downs	--	20	20	
7	Cooling tower Blow downs	--	82	82	
8	Domestic	--	20	20	
	<b>Total effluent Quantity</b>	<b>222.5</b>	<b>122</b>	<b>344.5</b>	

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**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Treatment/Disposal
1	Ash from Boiler	12.5 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	9.74 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent Residue	8.43 TPD	Sent to TDSF/Cement Industries
4	Spent Solvent	1830 KLD	Recovered within plant premises and reused
5	Mixed Solvent	20.3 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Stripper Distillate	4 KLD	Sent to Cement Industries for Co-incineration.
7	Spent Carbon	1223 Kg/day	
8	Hyflow and Catalyst	242.5 Kg/day	Sent to TSDF/ Manufacturers / Suppliers / Authorized agencies
9	Inorganic Residue	3.64 TPD	Sent to TSDF
10	Evaporation salts	9.46 TPD	
11	ETP Sludge	3330 Kg/day	
12	Detoxified containers	2500 No.s/Yr	Sold to authorized vendors
13	Waste oil	5.6 KLPA	Sent to Authorized Recyclers
14	Used batteries	24 No.s/Yr	

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and submit a report on impacts of the proposed project on nearest human habitation, water body, RF & surrounding environment, etc.,

Members of Sub-Committee:

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

<b>Agenda Item No.10</b>	<b>M/s. Selmar Lab Pvt. Ltd., Unit II (formerly M/s. KRR Drugs &amp; Chemicals Pvt. Ltd.), Survey No. 180/1 to 180/15, and 10/1, IDA, Kazipally, Jinnaram Mandal, Sangareddy District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/156665/2020 (EC)</b>

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

EC obtained vide order no. SEIAA/TS/OL/SGRD-05/2017 dt.09.05.2017 from the Telangana State SEIAA for the existing unit in the name of M/s. KRR Drugs & Chemicals Pvt. Ltd.

CFE issued on 19.05.2018.

CFO issued on 13.03.2018 from TSPCB vide order no. TSPCB/RCP/CFO&HWM/HO/2018-4182 and the unit is operating. Subsequently, M/s. Selmar Lab Pvt. Ltd., acquired the unit.

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

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

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

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

*Ch. Reddy*  
**CHAIRMAN, SEAC**

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Total area is 4.16 acres, out of which Green area is 1.44 acres (34.6%).

Nearest human habitation is Kishtayapally(V) @ 1.4km; nearest waterbody is Kattu Kalva @ 5.2 km; and Nearest RF is Khazipally RF @ 0.3 km from the industry.

Project Cost for proposed expansion is Rs.6 Crores. Budget for Environmental protection towards Capital Cost is Rs. 3.7 crores and Recurring Cost is Rs.3.5 crores. Budget for CER is Rs.9.9 lakhs in first 5 years.

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

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Clopidogrel Hydrogen sulfate	175	5.25
2	Domperidone	100	3
3	Fluconazole	475	14.25
4	Pantoprazole Sodium	150	4.5
5	Sodium Hypochlorite	1000	30
6	D-Mandelic Acid	100	3
7	Ethyl-β-Benzoylacrylate	200	6
	<b>Total</b>	<b>2200</b>	<b>66</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Existing: 1 x 2 TPH Proposed: 1 x 6 TPH	30 m 30 m	Bag Filters
2	<b>DG Sets:</b> Existing: 1 x 125 KVA, Proposed: 1 x 1500 KVA	Adequate stack height	Acoustic enclosures

The process emissions containing Ammonia is to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide is to be safely dispersed into the atmosphere.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	36.2	--	36.2
2	Washings	5	--	5
3	Scrubber	5	--	5
4	Boiler Feed	30	10	40
5	Cooling Tower	15	70	85
6	RO/DM Rejects	10	--	10
7	Domestic	5	--	5
8	Gardening	3	--	3
	<b>Total water requirement</b>	<b>109.2</b>	<b>80</b>	<b>189.2</b>



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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	40.1	--	40.1	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	5	--	5	
3	Scrubber Effluent	5	--	5	
4	RO/DM Plant Rejects	10	--	10	
6	Boiler Blow downs	--	2.5	2.5	
7	Cooling tower Blow downs	--	15	15	
8	Domestic	--	4.5	4.5	
<b>Total effluent Quantity</b>		<b>60.1</b>	<b>22</b>	<b>82.1</b>	

**Details of Solid Waste after expansion:**

S. No	Description	Quantity	Mode of Treatment/Disposal
1	Ash from Boiler	2.05 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	307.7 Kgs/day	Sent to TDSF/Cement Plants for Co-incineration
3	Stripper Distillate	0.48 KLD	
4	Evaporation salts	1861 Kgs/day	Sent to TSDF, Dundigal, Ranga Reddy Dist. for secured land filling
5	Solvent Residue	359 Kg/day	Sent to TSDF/Cement Industries
6	Spent Solvent	10 KLD	Recovered within the plant premises.
7	Spent Mixed Solvents	1.12 KLD	Sent to authorized recovery units/Cement plants for co-incineration
8	Spent Carbon	62.5 Kg/day	Sent to TSDF
9	Hyflow	19 Kg/day	Sent to TSDF/Cement Industries
10	ETP Sludge	1.02 TPD	Sent to TSDF
11	Detoxified containers & container liners	800 No.s/Month	Sold to authorized vendors
12	Waste oil	1.5 KLPA	Sent to Authorized Recyclers
13	Used batteries	20 No.s/Yr	

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.

  
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- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development
- xv) Compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018 as per OM dt.31.10.2019 of the MoEF&CC, GoI.

Members of Sub-Committee:

- 1. Sri *Shiva Kumar*
- 2. Sri *Mantri Krishna Reddy.*

<b>Agenda Item No.11</b>	<b>M/s. Arene Life Sciences Ltd., Unit II, Sy.No. 412/A, Veliminedu Village, Chityal Mandal, Nalgonda District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/158619/2020 (EC)</b>

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

EC obtained vide order no. F. No. J-11011/687/2007-IA II (I) dated 07.01.2008 from the MoEF&CC for the existing unit in the name of M/s. ELBS Pharma Pvt. Ltd.

CFO issued on 11.02.2020 from TSPCB and the unit is operating.

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

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

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

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

Total area is 7 acres, out of which Green area is 2.5 acres (35.7%).

Nearest human habitation is Veliminedu (V) @ 2.2km; nearest waterbody is Ityala Cheruvu @ 9.6 km; and Nearest RF is Chityal RF @ 6.4km from the industry.

Project Cost for proposed expansion is Rs.16 Crores. Budget for Environmental protection towards Capital Cost is Rs. 4.57 crores and Recurring Cost is Rs.3.38 crores. Budget for CER is Rs.19.5 lakhs in first 5 years.

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

**Products:**

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Amlodipine besylate	120	3.6
2	Clopidogrel bisulphate	100	3
3	Efaverinz	125	3.8
4	Emiracitabine	100	3
5	Lamivudine	200	6
6	Lopinavir	100	3
7	Abacavir Sulphate	100	3
8	Atazanavir Sulphate	100	3
9	Capecitabine	100	3
10	Doletagravir	185	

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11	Erlotinib HCl	100	3
12	Fosampanavir	100	3
13	Gefitinib HCl	100	3
14	Imatinib mesylate	100	3
15	Irbesatran	100	3
16	Losartan Pottasium	100	3
17	Nevirapine	100	3
18	Pregablin	170	5.1
19	RaltagrevirPottasium	100	3
20	Tenofavir	135	4.1
21	Ritonavir	100	3
22	Mebeverine	100	3
23	Triethyl orthoformate	155	4.7
24	Diacetyl Acyclovir	2000	60
25	Acyclovir	2000	60
26	Valacyclovir HCl Monohydrate	1000	30
27	Phthaloyl Amlodipine	1000	30
28	Loratadine	400	12
29	Tapentadol	100	3
30	Ticagrelor	100	3
31	Dabigatran Etxilate Mesylate	100	3
32	Vildagliptin	100	3
33	Sodium Monochloroacetate	5000	150
	<b>Total-Worst Case (Any 8 Products)</b>	<b>11785</b>	<b>353.6</b>
	Validation products	5	0.15
	<b>Grand Total</b>	<b>11790</b>	<b>353.75</b>

**List of By Products:**

S.No	Name of the Product	Stage	Name of the By product	Capacity	
				Kg/day	TPM
1	Amlodipine Besylate	I	Spent Acetic Acid	100	3
2	Diacetyl Acyclovir	I	Spent Acetic Acid	1258	37.7
3	Acyclovir	I	Sodium Acetate	1458	43.7
4	Ticagrelor	I	Spent Acetic Acid	500	15
5			Dilute HCl(20%) fromScrubbers	798	23.9

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Existing: 2 x 2.5 TPH Proposed: 1 x 6 TPH	30 m 36 m	Bag Filters / Multi cyclone separator
2	<b>Thermic Fluid Heater</b> Proposed: 2 x 2 Lac K.Cal/hr	15 m	--
3	<b>DG Sets:</b> Existing: 1 x 250 KVA, 1 x 125 KVA Proposed: 2 x 500 KVA	Adequate stack height	Acoustic enclosure

The process emissions containing Hydrogen Chloride, Sulphur Dioxide, Hydrogen Bromide Ammonia, are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Nitrogen is to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen is 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	55	--	55
2	Washings	5	--	5
3	Scrubber	8	--	8
4	QC and R&D	1	--	1
5	Boiler Feed	50	20	70
6	Cooling Tower	55	95	150
7	RO/DM Rejects	10	--	10
8	Domestic	5	--	5
9	Gardening	5	--	5
	<b>Total water requirement</b>	<b>194</b>	<b>115</b>	<b>309</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	60.2	--	60.2	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	5	--	5	
3	Scrubber Effluent	8	--	8	
4	RO/DM Plant Rejects	10	--	10	
5	QC and R&D	--	1	1	
6	Boiler Blow downs	--	6	6	
7	Cooling tower Blow downs	--	26	26	
8	Domestic	--	4.5	4.5	
<b>Total effluent Quantity</b>		<b>83.2</b>	<b>37.5</b>	<b>120.7</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	5.25 TPD	Sent to cement plants for co-incineration/TSDFDundigal.
2	Solvent residue	2.26 TPD	
3	Spent Carbon	265 Kg/day	
4	Inorganic Residue	2.33 TPD	Sent to TSDF
5	Evaporation Salts	4.06 TPD	
6	ETP Sludge	1.58 Kg/day	
7	Hyflow	175 Kg/day	
8	Boiler Ash	5.76 TPD	Sent to brick manufacturers
9	Spent Solvents	68.2 KLD	Recovered within plant premises and reused
10	Spent Mixed solvents	7.6 KLD	Sent to Authorized recyclers
11	Stripper Distillate	1.07 KLD	Sent to cement plants for co-incineration/TSDF, Dundigal
12	Waste oils & Grease	2.27 KL/year	Sent to authorized agencies
13	Used Lead acid Batteries	50 No.s/year	Sent to suppliers on buy back basis
14	Detoxified Containers and container liners	600 No/Month	After complete detoxification, it shall be disposed of to outside agencies.
15	Polythene Liners/ Containers	500 Kg/Month	
16	Cotton Waste	80 Kg/Month	Sent to TSDF/Dundigal
17	Used Centrifuged leaf filter bags	350 Kg/Month	

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development
- xv) Compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018 as per OM dt.31.10.2019 of the MoEF&CC, GoI.

Members of Sub-Committee:

1. Sri *Surem*
2. Sri *Udaya Lakshmi*  
*Krishna Reddy*

<b>Agenda Item No.12</b>	<b>M/s. Hetero Drugs Ltd., Unit I., Sy.no. 213, 215, 220 &amp; 253, Bonthapally IDA, Bonthapally Village, Gummadidala Mandal, Sangareddy District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/160324/2020 (EC)</b>

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

EC obtained vide order no. SEIAA/TS/MDK-32/2015-1716 dated 10.11.2015 from the Telangana State SEIAA for the existing unit.

CFE issued on 11.01.2017

CFO issued on 29.01.2019 from TSPCB vide order no. TSPCB/RCP/ CFO& HWA/ HO/ 2019 and the unit is operating.

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

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

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

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

Total area is 32 acres, out of which Green area is 10.75 acres (33.6%).

Nearest human habitation is Bonthapally (V) @ 0.46 km; Nearest RF is Bonthapally RF @ 3.5 km from the industry.

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Project Cost for proposed expansion is Rs. 40 Crores. Budget for Environmental protection towards Capital Cost is Rs. 9.02 Crores and Recurring Cost is Rs. 16.08 Crores. Budget for CER is Rs. 60 lakhs in first 5 years.

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

**Products:**

S.No	Name of the Product	Capacity (Kg/day)
1	Alfuzosin HCl	55
2	Alvimopan Dihydrate	5
3	Amlodipine Besylate	600
4	Aprepitant	10
5	Atovaquone	80
6	Citalopram Hydrobromide	50
7	Clopidogrel Bisulphate	115
8	Cyclobenzaprine HCl	100
9	Donepezil HCl	42
10	Dorzolamide HCl	25
11	Doxazosin Mesylate	25
12	Duloxetine HCl	200
13	Eltrombopag olamine	10
14	Entecavir Monohydrate	2
15	Eprosartan Mesylate	100
16	Esomeprazole Magnesium Dihydrate	300
17	Famcyclovir	100
18	Felbamate	60
19	Fingolmod Hydrochloride	12
20	Fosaprepitant Dimeglumine	5
21	Fosinopril Sodium	41.2
22	Glimepiride	50
23	Itraconazole	50
24	Ivabridine HCl	12
25	Lansoprazole	200
26	Lercandipine HCl Hemihydrate	50
27	Levofloxacin	300
28	Lisinopril Dihydrate	250
29	Lurasidone Hydrochloride	12
30	Montelukast Sodium	100
31	Moxifloxacin HCl	50
32	Nebivolol HCl	100
33	Olanzapine	85
34	Omeprazole	200
35	Pantoprazole Sodium Sesquihydrate	850
36	Perindopril tert-Butyl amine	30
37	Pramipexole DiHCl Monohydrate	30
38	Proguanil HCl	30
39	Rabeprazole Sodium	30
40	Raltegravir Potassium	80
41	Riluzole	19.6
42	Ritonavir	50
43	Sertraline HCl	300
44	Sildenafil Citrate	200
45	Solifenacin Succinate	10
46	Tetrabenazine	60
47	Tolterodine Tartarate	30
48	Tolvaptan	12
49	Topiramate	200
50	Trandalopril	21.6

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51	Valacyclovir HCL.H2O	803
52	Ziprasidone HCl	60
53	R & D Products	100
54	Apremilast	10
55	Bupropion Hcl	600
56	Dexlansoprazole	100
57	Ivacaftor	10
58	Lomitapide Mesylate	10
59	Metoprolol succinate	600
60	Mirtazapine	50
61	Nisolidipine	100
62	Roflumilast	5
63	Tafacitnib citrate	10
64	Telbuvudine	200
65	Vigabatrin	40
66	Allupurinol	1000
67	Deutetrabenazine	1200
68	Famotidine	1100
69	Glycerol phenyl butarate	1200
70	Imeglimine	900
71	Iso Sulfone Blue	800
72	Laxoprofen	1200
73	Paliperidone	1200
74	Rebamipide	1100
75	Regadonosan Monohydrate	900
76	Varnicline	950
77	5-Methoxy-2-[[{(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]thio}-1H-benzimidazole (Omeprazole Intermediate)	850
78	(S)-4-(3,4-Dichlorophenyl)-3,4-Dihydronaphthalen-1(2H)-one (S-Tetralone)	1082
	<b>Total (Worst Case-35 Products)</b>	<b>20000</b>
	<b>Co-generation Power Plant</b>	<b>2 x 2 MW</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Existing: 1 x 20 TPH Proposed: 1 x 20 TPH (standby)	40 m 40 m	Bag Filters/ Multi cyclone separators
2	<b>Thermic Fluid Heater</b> Proposed: 2 x 2 Lac K.Cal/hr	15 m	--
3	<b>DG Sets:</b> Existing: 2 x 1020KVA 2 x 720KVA & 2 x 320KVA Proposed: 3 x 1500KVA	Adequate stack height	Acoustic enclosures

The process emissions containing Hydrogen Chloride, Sulphur Dioxide, Bromine, Hydrogen Bromide, Hydrogen Iodide & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Nitrogen is to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen is 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	278	--	278
2	Washings	20	--	20
3	Scrubber	10	10	20
4	Boiler Feed	80	100	180
5	Cooling Tower	400	480	880
6	RO/DM Rejects	65	--	65
7	Domestic	50	--	50
8	Gardening	40	--	40
	<b>Total water requirement</b>	<b>943</b>	<b>590</b>	<b>1533</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	295.5	--	295.5	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	20	--	20	
3	Scrubber Effluent	20	--	20	
4	RO/DM Plant Rejects	65	--	65	
6	Boiler Blow downs	--	20	20	
7	Cooling tower Blow downs	--	150	150	
8	Domestic		40	40	
<b>Total effluent Quantity</b>		<b>400.5</b>	<b>210</b>	<b>610.5</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Treatment/Disposal
1	Ash from Boiler	16.3 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	11.3 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent Residue	7.9 TPD	Sent to TSDF/Cement Industries
4	Spent Solvent	216.3 KLD	Recovered within plant premises and reused
5	Mixed Solvent	92.7 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Stripper Distillate	9.5 KLD	Sent to Cement Industries for Co-incineration.
7	Spent Carbon	0.7 TPD	
8	Hyflow and Catalyst	657 Kg/day	Sent to TSDF/ Manufacturers / Suppliers / Authorized agencies
9	Inorganic Residue	0.16 TPD	Sent to TSDF
10	Evaporation salts	13.2 TPD	
11	ETP Sludge	5.72 TPD	
12	Detoxified containers	20000 No.s/Yr	Sold to authorized vendors
13	Waste oil	1400 LPM	Sent to Authorized Recyclers
14	Used batteries	100 No.s/Yr	



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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-L
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development
- xv) Compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018 as per OM dt.31.10.2019 of the MoEF&CC, GoI.

Members of Sub-Committee:

1. Sri *Siva Kumar*
2. Sri *Mantvi Krishna Reddy*

<b>Agenda Item No.13</b>	<b>M/s. Hetero Labs Ltd., Unit I, Sy.No. 10 and 10/1, Gaddapotharam IDA, Gaddapotharam Village, Jinnaram Mandal, Sangareddy District, Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/160730/2020 (EC)</b>

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

EC obtained vide order no. SEIAA/TS/MDK-31/2015-1715 dated 10.11.2015 from the Telangana State SEIAA for the existing unit.

CFE issued on 11.01.2017

CFO issued on 31.01.2017 from TSPCB vide order no. TSPCB/RCP/CFO& HWA/HO/2017 – 2887 and the unit is operating.

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

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

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

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

Total area is 40 acres, out of which Green area is 18.5 acres (46.25%).

Nearest human habitation is Gaddapotharam (V) @ 0.3km; Nearest RF isKisthapally RF @ 0.4km from the industry.

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Project Cost for proposed expansion is Rs.65 Crores. Budget for Environmental protection towards Capital Cost is Rs. 24.96 crores and Recurring Cost is Rs.33.85 crores. Budget for CER is Rs.75 lakhs in first 5 years.

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

**Products:**

S.No	Name of the Product	Capacity (Kg/day)
1	Abcavir Sulphate	1000
2	Anastrozole	120
3	Aripiprazole	100
4	Atazanavir Sulphate	23.3
5	Atomoxetine Hydrochloride	200
6	Atorvastatin Calcium	133.3
7	Bendamustine Hydrochloride	100
8	Bicalutamide	200
9	Bortezomib	0.033
10	Candesartan	25
11	Capecitabine	200
12	Cilzapril Monohydrate	100
13	Cyclophosphamide	100
14	Darunavir	200
15	Dasatinib	20
16	Desloratadine	43.3
17	Dutasteride	20
18	Effavirenz	300
19	Emtricitabine	133.3
20	Eplerenone	20
21	Erlotinib HCl	160
22	Escitalopram	600
23	Etravirine	16.7
24	Exemestane	6.7
25	Ezetimide	200
26	Finasteride	200
27	Gefitinib	16.7
28	Gemcitabine HCl	50
29	Hydralizine HCl	113.3
30	Imatinib	100
31	Irbesartan	400
32	Irinotecan HCl	0.7
33	Lamivudine	400
34	Lapatanib	20
35	Lenalidomide	10
36	Letrozole	10
37	Levitracetam	1500
38	Lopinavir	300
39	Losartan Potassium	3000
40	Marovirac	40
41	Milnacipran	16.7
42	Nevirapine	755.1
43	Nilotinib	20
44	Olmisartan	1400
45	Pazopanib	40
46	Pioglitazone HCl	20
47	Premetrexed Disodium	24
48	Quetiapine	320
49	Ramipril	40
50	Saquanavir Mesylate	50

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S.No	Name of the Product	Capacity (Kg/day)
51	Simvastatin	166.7
52	Sorefinib	20
53	Sunitinib	6.7
54	Telmisartan	1100
55	Temzolomide	256.7
56	Tenofovir	133.3
57	Terbinifine	400
58	Thalidomide	10
59	Torseamide	200
60	Valsartan	1500
61	Voricanazole	40
62	Zidovudine	300
63	Zoledronic Acid	15.3
64	Zonisamide	200
65	R & D & validation of Products	200
66	Docetaxel	20
67	Plerixafar	40
68	Daclatasvir	20
69	Dolutegravir sodium	930.1
70	Levomilnasipron HCl	20
71	Obeticholic acid	3.3
72	Rifaximine	3.3
73	Sofasbuvir	40
74	Tenofovir Alafenamide	20
75	Velpatasvir	3.3
76	Vortioxetine Hbr	3.3
77	Abiraterone Acetate	50
78	Afatinib	3.3
79	Alectinib hydrochloride	6.7
80	Axitinib	3.3
81	Azacitidine	16.7
82	Bexarotene	36.7
83	Bosutinib	20
84	Budesonide	1.67
85	Basulfan	150
86	Cabazitaxel	1.2
87	Carboplatin	3.3
88	Carfilzomib	20
89	Carmustine	6.7
90	Ceritinib	3.3
91	Cisplatin	82.5
92	Crizotinib	1.7
93	Enzalutamide	20
94	Hydroxy Urea	3.3
95	Ibrutinib	20
96	Idelalisib	3.3
97	Ixazomib citrate	3.3
98	Lenvatinib	1.7
99	Melphalan Hydrochloride	1.7
100	Nintendanib	3.3
101	Olaparib	5.3
102	Osimertinib mesylate	3.3
103	Oxaliplatin	20
104	Palbociclib	50
105	Pomalidomide	3.3
106	Ponatinib	3.3
107	Pralatrexate	13.3
108	Regorafenib	3.3

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S.No	Name of the Product	Capacity (Kg/day)
109	Venetoclax	3.3
110	Tamoxifen Citrate	26.7
111	Trametinib	20
112	Tipiracil Hydrochloride	3.3
113	Trifluridine	5.3
114	Hydroxy chloroquine	1000
115	Bictegravir sodium	10
116	Entacapone	50
117	Etoricoxib	200
118	Oseltamivir phosphate	200
119	Paclitaxel	10
	<b>Total (Worst Case- 60 Products)</b>	<b>20023</b>
	<b>Co-generation Power Plant</b>	<b>2 x 2 MW</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Boilers:</b> Existing: 1x 16 TPH 1x 4 TPH (Standby); 1x 8 TPH (Standby)  Proposed: 1 x 20 TPH 1 x 16 TPH 1 x 10 TPH	40 m 25 m 30 m  40 m 40 m 30 m	Bag Filters
2	<b>Thermic Fluid Heaters</b> Proposed: 2 x 2 Lac K.cal/hr	15 m	--
3	<b>DG Sets:</b> Existing: 3 x 1020 kVA 1 x 500 kVA 2 x 320 kVA Proposed: 2 x 1500 kVA 1 x 500 kVA	Adequate stack height	Acoustic enclosure

The process emissions containing Hydrogen Chloride, Sulphur Dioxide, Hydrogen Bromide, Hydrogen Iodide, Hydrogen Fluoride & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide, Nitrogen, Dinitrogen Oxide & Oxygen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen & Hydrogen gas 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	394	--	394
2	Washings	20	--	20
3	Scrubber	6	10	16
4	Boiler Feed	100	120	220
5	Cooling Tower	450	610	1060
6	RO/DM Rejects	90	--	90
7	Domestic	50	--	50
8	Gardening	50	--	50
	<b>Total water requirement</b>	<b>1160</b>	<b>740</b>	<b>1900</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	444.6	--	444.6	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	20	--	20	
3	Scrubber Effluent	16	--	16	
4	RO/DM Plant Rejects	90	--	90	
5	Boiler Blow downs	--	24	24	
6	Cooling tower Blow downs	--	160	160	
7	Domestic	--	40	40	
<b>Total effluent Quantity</b>		<b>570.6</b>	<b>224</b>	<b>794.6</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Treatment/Disposal
1	Ash from Boiler	21 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	21.1 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent Residue	22.2 TPD	Sent to TSDF/Cement Industries
4	Spent Solvent	438 KLD	Recovered within plant premises and reused
5	Mixed Solvent	189.5 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Stripper Distillate	13.53 KLD	Sent to Cement Industries for Co-incineration.
7	Spent Carbon	2.36 TPD	
8	Hyflow and Catalyst	140.4 Kg/day	Sent to TSDF/ Manufacturers / Suppliers / Authorized agencies
9	Inorganic Residue	1.92 TPD	Sent to TSDF
10	Evaporation salts	30.5 TPD	
11	ETP Sludge	7.9 TPD	
12	Detoxified containers	30000 No.s/Yr	Sold to authorized vendors
13	Waste oil	2000 LPM	Sent to Authorized Recyclers
14	Used batteries	150 No.s/Yr	

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.

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- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development
- xv) Compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018 as per OM dt.31.10.2019 of the MoEF&CC, GoI.

Members of Sub-Committee:

- 1. Sri *Sivakumar*
- 2. Sri *Mantri Krishna Reddy*

<b>Agenda Item No. 14</b>	<b>M/s. Hariox Therapeutics Private Ltd., Sy.No. 117 A,119 A/2,116 AA/1 Kamaram Village, Shankarampet (R) Mandal, Medak District, Telangana State Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/152159/2020 (EC)</b>

The representative of the project proponent Sri B. Satyanarayana; and Sri Jitender Reddy & Sri Chandrashekar Reddy of M/s. Space Enviro Solutions, Hyderabad attended and made a presentation before the SEAC.

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

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

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

Total area is Ac. 6. 24 Gts. (26,799.46 sq.m), out of which Green area is 9,111.82 Sq.m (34%).

Nearest human habitation is Kamram Tanda (V) @ 0.86 km; Nearest water body is Water body near Karam cheruvu (W), @ 0.35km; Nearest RF is Mirzapalli RF @ 1.0 km from the industry.

Project Cost for proposed is Rs. 10.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 75.0 Lakhs and Recurring Cost is Rs. 13.45 Lakhs/annum. Budget for CER is Rs. 20.0 lakhs in first 5 years.

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

**PRODUCTS:**

S.No	Product Name	CAS No	Quantity (Kg/Annum)	Units
<b>PROSTAGLANDINS</b>				
1	MISOPROSTOL DISPERSION (1%)	59122-46-3	5000	KG
2	MISOPROSTOL	59122-46-2	500	KG
3	CARBOPROST TROMETHAMINE	58551-69-2	20	KG
4	DINOPROST TROMETHAMINE	38562-01-5	250	KG
5	BIMATOPROST	155206-00-1	25	KG
6	LATANOPROST	130209-82-4	5	KG
7	ALPROSTADIL	745-65-3	5	KG
8	DINOPROSTONE	363-24-6	25	KG
9	TAFLUPROST	209860-87-7	5	KG
10	TRAVOPROST	157283-68-6	10	KG
11	MIFEPRISTONE	84371-65-3	10000	KG
12	(+)-CLOPROSTENOL (SODIUM SALT)	62561-03-9	5000	KG
13	(±)-CLOPROSTENOL (SODIUM SALT)	55028-72-3	10000	KG
14	LATANOPROSTENE BUNOD	860005-21-6	25	KG
15	ALFAPROSTOL	74176-31-1	5000	KG

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16	TREPROSTINIL	81846-19-7	10000	KG
<b>ONCOLOGY PRODUCTS</b>				
1	CISPLATIN	15663-27-1	1000	KG
2	CARBOPLATIN	41575-94-4	1000	KG
3	OXALIPLATIN	63121-00-6	1000	KG
4	DOCETAXEL ANHYDROUS	114977-28-5	1000	KG
5	DOCETAXEL TRIHYDRATE	148408-66-6	1000	KG
6	CABAZITAXEL	183133-96-2	1000	KG
7	GEMCITABINE HYDROCHLORIDE	122111-03-9	50000	KG
8	CAPACITABINE	154361-50-9	100000	KG
9	BORTEZEMIB	179324-69-7	1000	KG
10	CARFILZOMIB	868540-17-4	1000	KG
11	IMATINIB MESYLATE	220127-57-1	20,000	KG
12	GEFITANIB	184475-35-2	5000	KG
13	PAZOPANIB HYDROCHLORIDE	635702-64-6	15000	KG
14	LAPATINIB DITOSYLATE MONOHYDRATE	388082-78-8	10000	KG
15	DASATINIB MONOHYDRATE	863127-77-9	20000	KG
16	TEMOZOLAMIDE	85622-93-1	10000	KG
17	LENALIDOMIDE	191732-72-6	15000	KG
18	NILOTINIB HYDROCHLORIDE MONOHYDRATE	923288-90-8	15000	KG
19	PEMETREXED DISODIUM HEMIPENTA HYDRATE	357166-30-4	20000	KG
20	ENZALUTAMIDE	915087-33-1	2500	KG
21	ABIRATERONE ACETATE	154229-18-2	25000	KG
22	ERLOTINIB	183321-74-6	50000	KG
23	MELPHALAN	148-82-3	20000	KG
24	SORAFENIB	284461-73-0	20000	KG
25	ANASTROZOLE	120511-73-1	10,000	KG
26	BICALUTAMIDE	90357-06-5	1,00,000	KG
27	BLEOMYCIN	11056-06-7	30,000	KG
28	CARMUSTINE	154-93-8	25,000	KG
29	DOCETAXEL	114977-28-5	10,000	KG
30	IMATINIB	152459-95-5	20,000	KG
31	LETROZOLE	112809-51-5	30,000	KG
32	MITOMYCIN	50-07-7	20,000	KG
33	PACLITAXEL	33069-62-4	15,000	KG
<b>General Products</b>				
1	HYDROXYCHLOROQUINE SULPHATE	118-42-3	100	MT
2	RITONAVIR	155213-67-5	100	MT
3	LEVOSIMENDAN	141505-33-1	10000	MTs
4	PITAVASTATIN	147511-69-1	10000	MT
5	ROSUVASTATIN	147098-10-2	10000	MT
6	FOSAPREITANT DIMEGLUMINE	265121-04-8	1000	MT
7	GRANISETRON HCL	107007-99-8	1000	MT
8	GATIFLOXACIN	112811-59-3	1000	MT
9	PRULIFLOXACIN	123447-62-1	1000	MT
10	DARUNAVIR	206361-99-1	10000	MT
11	GANCICLOVIR	82410-32-0	1000	MT
12	ALFUZION	81403-80-7	10000	MT
13	DUTASTERIDE	164656-23-9	1000	MT
14	FINASTERIDE	98319-26-7	1000	MT
15	TAPENTADOL	175591-09-0	10000	MT
16	LINAGLIPTIN	668270-12-0	2500	MT
17	SITAGLIPTIN PHOSPHATE	486460-32-6	2500	MT

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18	VIDAGLIPTIN	274901-16-5	2500	MT
19	CANAGLIFLOZIN	842133-18-0	2500	MT
20	EMPAGLIFLOZIN	864070-44-0	2500	MT
21	BRINZOLAMIDE	138890-62-7	1000	MT
22	DORZOLAMIDE	130693-82-2	1000	MT
23	NEBIVOVOL	99200-09-6	1000	MT
24	DOLUTEGRAVIR SODIUM	1051375-19-9	10000	MT
25	RALTEGRAVIR	518048-05-0	10000	MT
26	MONTELUKAST SODIUM	151567-02-1	15000	MT
27	SILODOSIN	160970-64-9	1000	MT
28	POSACONAZOLE	171228-49-2	1000	MT
29	SERTACONAZOLE NITRATE	99592-32-2	1000	MT
30	FLUCONAZOLE	86386-73-4	1000	MT
31	LULICONAZOLE	187164-19-8	1000	MT
32	ITRACONAZOLE	84625-61-6	1000	MT
33	MICONAZOLE NITRATE	22832-87-7	1000	MT
34	KETOCONAZOLE	65277-42-1	1000	MT
35	ECONAZOLE NITRATE	68797-31-9	1000	MT
36	VORICONAZOLE	137234-62-9	1000	MT
37	TIOCONAZOLE	65899-73-2	1000	MT
38	TERCONAZOLE	67915-31-5	1000	MT
39	TERBINAFINE HYDROCHLORIDE	78628-80-5	1000	MT
40	SULCONAZOLE NITRATE	61318-91-0	1000	MT
41	PRAMICONAZOLE	219923-85-0	1000	MT
42	OXICONAZOLE NITRATE	64211-46-7	1000	MT
43	MICONAZOLE NITRATE	22832-87-7	1000	MT
44	ISAVUCONAZOLE	241479-67-4	1000	MT
45	FENTICONAZOLE NITRATE	73151-29-8	1000	MT
46	SOFOSBUVIR	1190307-88-0	10000	MT
47	VELPATASAVIR	1377049-84-7	5000	MT
48	LEDIPASVIR	1256388-51-8	5000	MT

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> 1 x 4 TPH	30 m	Bag Filter
2	<b>Thermic flued heater:</b> 4 Lac K.Cal	30m	-
3	<b>DG Sets:</b> 2 x 1000 KVA	Adequate stack	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 after expansion:**

S. No.	Use of Water	Water Requirement (KLD)		Loss (KLD)	Waste Water (KLD)	Remark
		Consumption	Remark			
1.	Domestic	12	Fresh-12	2	10	Sewage treated in 12 KLD of STP
2	Industrial Process	35	Fresh from RO-35	5	30 Industrial Process	MEE followed by NF. (Condensate to ETP & RO)
3	Cooling tower makeup	32	Fresh-8 Recycle-24	8	24	ETP & RO (RO Reject to MEE) (100 KLD)
4	Boiler makeup	24	Fresh-10 Recycle-14	8	16	ETP & RO (RO Reject to MEE)
5	Washing	15	Fresh-5 Recycle-10	0	15	MEE followed by NF. (Condensate to ETP & RO)
6	Scrubber	2	Fresh-2	0	2	MEE followed by NF. (Condensate to ETP & RO)
7	Gardening	30	Recycle-30	30	0	
<b>Total</b>		<b>150</b>	<b>Fresh-72 Recycle-78</b>		<b>97.0</b>	<b>Sewage-10.0 KLD Effluent-87 KLD</b>

**Details of Solid Waste after expansion:**

S.No.	Description	Total	Mode of disposal
1	Wooden Material	500 Kg/M	Sold to Authorized recycler
2	Glass scrap	500 Kg/M	
3	HDPE Drums	150 Nos/M	
4	Plastic scrap & other non biodegradable waste	250 Kg/M	
5	Paper waste	100 Kg/M	
6	e-Waste	100 Kg/A	
7	Spent Oil/used waste	200 Kg/M	TSPCB Authorized Agencies for Reprocessing/Recycling
8	Spent Solvents	10000 Kg/M	Sent to TSDF
9	Distillation residue	3000 Kg/M	Sent to TSDF
10	Spent Catalyst/Spent Carbon	500 Kg/M	Sent to Cement industries
11	Discarded containers	100 no./Month	Sold to authorized dealer
12	Sludge from waste water treatment	400 Kg/M	Sent to TSDF
13	Spent Mother Liquor	10000 Kg/M	Sent to TSDF
14	Spent organic solvent	5000 Kg/M	Sale to authorized recycler/re-
15	Chemical Sludge, oil & grease skimming residue	300 Kg/M	TSPCB Authorized Agencies for Reprocessing/Recycling
16	Used Lead Acid Batteries	4 Nos/Annum	Send back to suppliers for buy back of New Batteries

The proponent informed that maximum production capacity of the project is 100 TPM and it is proposed to manufacture any 10 products at any given point of time.

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But, it is observed that individual production capacity of few products itself exceeds 100 TPM. Further, it is not clear about the maximum capacity of 100 TPM and 10 products.

In view of the above, the SEAC deferred the project and directed the proponent submit clarification on the above.

<b>Agenda Item No.15</b>	<b>M/s. Discovery Laboratories Private Limited., Sy. Nos. 698, 699, 699/E, Thangadapally Village, Choutuppal Mandal, Yadadri Bhuvangiri District., Telangana – Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/161082/2020 (EC)</b>

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

EC obtained on dt. 12.03.2008 from the MoEF&CC, GoI for the existing unit in the name of M/s. Discovery Intermediates Pvt. Ltd.

EC transferred on 03.05.2016 from M/s. Discovery Intermediates Pvt. Ltd. to M/s. Discovery Laboratories Pvt. Ltd.

The proponent submitted Self-compliance Report for EC conditions.

CFO (Renewal) issued on 02.07.2019 and the unit is operating.

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

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

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

Total area is 16.2 acres (65,559.06 Sq.m), out of which Green area is 23,892.90 Sq.m. (36.44%).

Nearest human habitation is Dharmijigudem(V) @ 1.12km; Nearest water body is Tangalapalli Cheruvu@ 2.60km; Nearest RF is LakkaramRF @ 2.67km from the industry.

Project Cost for proposed expansion is Rs. 42.19Crores. Budget for Environmental protection towards Capital Cost is Rs. 206Lakhs and Recurring Cost is Rs. 24Lakhs/annum. Budget for CER is Rs. 42.19Lakhs in first 5 years.

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

**Products:**

S. No	Product Name	Quantity (MT/Month)	Quantity (Kg/ Day)
1	(2R Cis)-5-(4-amino-1,2-dihydro-2-oxo-1-pyrimidinyl 1,3 oxathiolane--2-carboxylic acid (2S,5R)-Methyl ester (Lamivudine)	12.00	400.00
2	(2S,3S,5S)-2-Amino-3-hydroxy-5-(tertbutoxy carbonyl)amino-1,6-diphenyl hemi succinic acid salt (BDH Salt)	4.50	150.00
3	2, 6-Dimethyl-phenoxy-acetyl chloride	3.00	100.00
4	5(S)-2-Amino -5-(N,N-(Dibenzyl amino)-4-oxo-1,6-diphenyl hex-2-ene	12.00	400.00
5	Agomelatine	0.75	25.00
6	Amlodipine Besylate	1.50	50.00

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S. No	Product Name	Quantity (MT/Month)	Quantity (Kg/ Day)
7	AmtolmetinGuacil	1.50	50.00
8	Atazanavir	3.00	100.00
9	Atorvastatin Calcium Trihydrate	1.50	50.00
10	Carbonic acid,4-Nitrophenyl-5-thiazolyl methyl ester (NCT intermediate)	1.50	50.00
11	DabigatranEtexilatemesylate	1.50	50.00
12	DarunavirAmorphous	1.50	50.00
13	Efavirenz	3.00	100.00
14	Escitalopram oxalate	3.00	100.00
15	Esomeprazole Magnesium Trihydrate	6.00	200.00
16	Ezetimibe	1.50	50.00
17	Ledipasvir	3.00	100.00
18	Levetiracetam	1.50	50.00
19	Linagliptin	1.50	50.00
20	Linezolid	1.50	50.00
21	Lopinavir	3.00	100.00
22	Montelukast sodium	1.50	50.00
23	Moxifloxacin hydrochloride	3.00	100.00
24	N-(4-Amino-1-Benzyl-3-Hydroxy-5-Phenyl-Pentyl)-3-Methyl-2-(2-oxo-Tetrahydro-pyridin-1-yl)-Butyramide-5-oxopyrrolidine-2-carboxylic Acid ( <b>Lopinavir -THP</b> )	6.00	200.00
25	N-(2-Cyanobiphenyl-4-yl) methyl)-L-Valine methyl ester Hydrochloride	3.00	100.00
26	N-[N-Methyl-N-((2-isopropyl-4-thiazolyl)methyl)aminocarbonyl]-L-valine lithium salt ( <b>MTVIII -Ritonavir</b> )	3.00	100.00
27	Nadolol	1.50	50.00
28	Nebivolol hydrochloride	1.50	50.00
29	Olmesartan	1.50	50.00
30	Pantoprazole Sodium	6.00	200.00
31	Ritonavir	2.25	75.00
32	Rosuvastatin Calcium	1.50	50.00
33	Sitagliptin	1.50	50.00
34	Sumatriptan Succinate	1.50	50.00
35	Tadalafil	1.50	50.00
36	Telmisartan	1.50	50.00
37	Teneligliptinpentahydrobromide hydrate	1.50	50.00
38	Valsartan	4.50	150.00
	<b>Total</b>	<b>111.00</b>	<b>3700.00</b>

**By-products:**

S.No	Name of the product	Name of the By-product	Quantity in Kg/day
1	[2S,3S,5S]-2-Amino-3-hydroxy-5-tert-butylloxycarbonylamino-1,6-diphenylhexane hemi Succinic acid (Ritonavir intermediate)	Sodium acetate	82.90
		Boric acid	38.20
2	5(S)-2-Amino-5-(N, N -- (Dibenzyl Amino) -4 - oxo-1, 6-Diphenyl Hex-2-Ene (Lopinavir intermediate)	Benzyl Alcohol	121.20
		Monosodium citrate	240.00
		Potassium chloride	189.60
		(Monosodium citrate	211.50
3	Escitalopram oxalate	Diparatoluy D-Tartaric acid	182.00

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S.No	Name of the product	Name of the By-product	Quantity in Kg/day
4	Linezolid	Imidazole	40.50
5	Lopinavir	Benzyl Alcohol	57.50
		Monosodium citrate	113.75
		Potassium chloride	92.10
		Monosodium citrate	97.85
6	N-((N-Methyl-N ((2-Isopropyl-4-Thiazolyl) Methyl) Amino) Carbonyl)-L-Valine Lithium salt (Lopinavir intermediate)	Phenol	34.60
7	Pantoprazole Sodium	Potassium Sulphate	155.45
		Sodium acetate	68.00
		Sodium Di hydrogen phosphate	165.55
8	Ritonavir	Sodium acetate	43.10
		4-Nitro phenol	23.60
		Sodium phosphate	15.40
		4-nitro phenol	23.50
9	Rosuvastatin Calcium	Meta Chloro benzoic acid	88.00
		Ethanol	8.80
10	Sumatriptan Succinate	Potassium phosphate	134.90

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

S.No	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 1x 2.0TPH (Standby) & 1 x 3.0 TPH Proposed: 1 x 5.0 TPH	30 m 30 m 30 m	Cyclone Separators followed by Bag filters
2	<b>Thermic fluid heater:</b> Proposed: 1 x 2 Lakh K.cal/hr	11 m	Cyclone Separator
3	<b>DG Sets:</b> Proposed: 2 x500 kVA	Adequate height	Acoustic enclosure

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

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	30.65	0.00	30.65
2	Washings	0.00	4.00	4.00
3	Boiler Feed	47.00	0.00	47.00
4	Cooling Towers Feed	237.00	22.00	259.00
5	Scrubbing system	7.50	0.00	7.50
6	Domestic	0.83	6.17	7.00
7	Gardening	0.00	35.50	35.50
	<b>Total</b>	<b>322.98</b>	<b>67.67</b>	<b>390.65</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	33.71	0.81	34.52	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	0.00	4.00	4.00	
3	Boiler blow down	0.00	7.00	7.00	
5	Cooling tower bleed of	0.00	26.00	26.00	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
5	Scrubber	7.50	0.00	7.50	
6	Domestic	0.00	6.00	6.00	
<b>Total :</b>		<b>41.21</b>	<b>43.81</b>	<b>85.02</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	4123 Kg/day	Sent to cement plants for co-incineration/TSDF
2	Solvent Distillation residue	923 Kg/day	
3	Spent Carbon	156Kg/day	
4	MEE Salts	2458 Kg/day	Sent to TSDF
5	ETP Sludge	135 Kg/day	
6	Boiler Ash	9625 Kg/day	Sent to brick manufacturers
7	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums	750 No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
8	Organic distillate from MEE Stripper Distillate	1250 Kg/day	Sent to cement plants for co-incineration/TSDF
9	Waste oils	200 Ltrs/year	Sent to authorized agencies
10	Used Lead acid Batteries	4 No.s/year	Sent to suppliers on buy back basis
11	Inorganic solid waste	687 Kg/day	Sent to TSDF

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

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

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<b>Agenda Item No.16</b>	<b>M/s. Shri Narahari Chemicals Pvt. Ltd., Sy. No. 315/2, Kallakal Village, Manoharabad Mandal (Tupran Mandal), Medak District., Telangana – Environmental Clearance (Expansion)- Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/155708/2020 (EC)</b>

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

The project proponent informed that their unit was established in 1990 and obtained NOC from APPCB (Combined State) for manufacturing of Bulk Drug Intermediates.

CFO Renewal issued on 14.07.2016 and the unit is operating.

The proponent submitted Self-compliance Report for CFO conditions.

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

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

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

Total area is 1.8Acres (7283.00 Sq.m) out of which Green area is 2,467.81 Sq.m. (33.88%).

Nearest human habitation is Kallakal(V) @ 1.03km; Nearest water body is Water body near Konayapalli@ 1.95km; Nearest RF is EllampetRF @ 1.08km from the industry.

Project Cost for proposed expansion is Rs.3.50 Crores. Budget for Environmental protection towards Capital Cost is Rs. 98.0 Lakhs and Recurring Cost is Rs. 16.0 Lakhs/annum. Budget for CER is Rs. 3.5 Lakhs in first 5 years.

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

**Products:**

S. No	Product Name	Quantity in MT/Month	Quantity In Kg/ Day
1	Amisulpride	7.00	233.33
2	Carvedilol Phosphate	5.00	166.67
3	Dexlansoprazole	2.00	66.67
4	Domperidone	5.00	166.67
5	Duloxetine hydrochloride	3.00	100.00
6	Esomeprazole magnesium Trihydrate	2.00	66.67
7	Itopride hydrochloride	1.00	33.33
8	Ketorolac tromethamine	1.00	33.33
9	Levocetirizine dihydrochloride	3.00	100.00
10	Losartan potassium	5.00	166.67
11	Olmesartan	2.00	66.67
12	Ondansetron hydrochloride dihydrate	1.00	33.33
13	Pantoprazole sodium	2.00	66.67
14	Quetiapine fumarate	2.00	66.67
15	Rivastigmine hydrogen tartarate	2.00	66.67
16	Sertraline hydrochloride	2.00	66.67
17	Sitagliptin	2.00	66.67

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S. No	Product Name	Quantity in MT/Month	Quantity In Kg/ Day
18	Tamsulosin hydrochloride	1.00	33.33
19	Tapentadol hydrochloride	2.00	66.67
20	Telmisartan	5.00	166.67
<b>Total (Any six products will be manufactured at any given point of time)</b>		<b>30.00</b>	<b>1000.00</b>

**By-products:**

S. No	Name of the product	Name of the By-product	Quantity in Kg/day
1	Amisulpride	Potassium sulphate	292.00
		Ethyl thio cyanate	105.20
2	Domperidone	Sodium acetate	192.25
		Ammonia sulphate	171.00
		Ammonium chloride	76.30
		Sodium bromide	73.50
3	Duloxetine Hydrochloride	Oxalic acid	32.07
4	Itopride Hydrochloride	Triethyl amine hydrochloride	40.00
5	Levocetirizine Dihydrochloride	Triethyl amine hydrochloride	41.30
6	Losartan Potassium	Succinimide	54.40
		Triethyl alcohol	124.40
		Sodium bromide	49.15

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

S.No	Utility	Stack Height (mt)	APCE
1	<b><u>Coal fired Boiler:</u></b> Proposed: 1 x 1.5 TPH (Standby) & 1 x 2.0 TPH Coal fired boiler/ Biomass briquette	30 m 30 m	Cyclone Separators followed by Bag filters
2	<b><u>Thermic fluid heater:</u></b> Proposed: 1 x 2 Lakh K.cal/hr (Diesel fired)	11 m	Cyclone Separator
3	<b><u>DG Sets:</u></b> Existing: 1 x 160 kVA Proposed: 1 x 500 kVA	Adequate height	Acoustic enclosure

The process emissions containing Sulphur dioxide, Hydrogen Chloride, Hydrogen Bromide, Di-methylamine, Chloromethane, Hydrogen Fluoride & 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 Flame arrestor.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	17.08	0.00	17.08
2	Washings	0.00	1.00	1.00
3	Boiler Feed	8.00	4.00	12.00
4	Cooling Towers Feed	52.00	18.00	70.00
5	Scrubbing system	3.00	0.00	3.00
6	Domestic	1.05	3.45	4.50
7	Gardening	0.00	3.50	3.50
	<b>Total</b>	<b>81.13</b>	<b>29.95</b>	<b>111.08</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	18.38	1.48	19.86	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	0.00	1.00	1.00	
3	Boilers blow down	0.00	2.00	2.00	
5	Cooling towers bleed off	0.00	8.00	8.00	
5	Scrubber	3.50	0.00	3.50	
6	Domestic	0.00	4.00	4.00	
<b>Total :</b>		<b>21.88</b>	<b>16.48</b>	<b>38.36</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	1874 Kg/day	Sent to cement plants for co-incineration/TSDF
2	Solvent Distillation residue	307 Kg/day	
3	Spent Carbon	61Kg/day	
4	MEE Salts	1472 Kg/day	Sent to TSDF
5	ETP Sludge	65 Kg/day	
6	Boiler Ash	2800 Kg/day	Sent to brick manufacturers
7	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums	300 No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
8	Organic distillate from MEE Stripper Distillate	550 Kg/day	Sent to cement plants for co-incineration/TSDF
9	Waste oils	130 Ltrs/year	Sent to authorized agencies
10	Used Lead acid Batteries	4 No.s/year	Sent to suppliers on buy back basis
11	Inorganic solid waste	464 Kg/day	Sent to TSDF

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, Gol.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

1. Sri *Siva Kumar*
2. Sri *Mantoi Krishna Reddy.*

*Ch. Reddy*  
CHAIRMAN, SEAC



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<b>Agenda Item No.17</b>	<b>M/s. VVR Organics Pvt. Ltd., Sy. Nos. 418, 418K, 419, 419G, 420 &amp; 421, Aregudem Village, Choutuppal Mandal, Nalgonda District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/155977/2020 (EC)</b>

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

First CFO issued on 31.03.2004 and CFO (Renewal) issued on 01.04.2019 and the unit is operating.

The proponent submitted Self-compliance Report for CFO conditions.

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

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

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

Total area is 8.31Acres (33,638.0 Sq.m) out of which Green area is 13,410.57 Sq.m. (39.86%).

Nearest human habitation is Aregudem(V) @ 0.49km; Nearest water body is Bairavani Cheruvu@ 1.46 km; Nearest RF is ChityalRF @ 6.54km from the industry.

Project Cost for proposed expansion is Rs.6.00Crores. Budget for Environmental protection towards Capital Cost is Rs. 124Lakhs and Recurring Cost is Rs. 20Lakhs/annum. Budget for CER is Rs. 6.00Lakhs in first 5 years.

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

**Products:**

S. No	Product Name	Quantity in MT/Month	Quantity in Kg/ Day
1	Albendazole	5.00	166.67
2	Alfuzosin hydrochloride	5.00	166.67
3	Azithromycin	5.00	166.67
4	DabigatranEtexilateMesylate	5.00	166.67
5	Duloxetine hydrochloride	5.00	166.67
6	Esomeprazole Magnesium Trihydrate	10.00	333.33
7	Imatinibmesylate	5.00	166.67
8	Levocetizinedihydrochloride	5.00	166.67
9	Mebeverine hydrochloride	5.00	166.67
10	Minoxidil	5.00	166.67
11	Omeprazole	10.00	333.33
12	Pantoprazole Sodium	10.00	333.33
13	Rabeprazole sodium	10.00	333.33
14	Ranolazine	5.00	166.67
15	Rivaroxaban	5.00	166.67
16	Topiramate	5.00	166.67
17	Venlafaxine	5.00	166.67
18	Vildagliptin	1.00	33.33
	<b>Total (Any 6 products will be manufactured at any given point of time)</b>	<b>50.00</b>	<b>1666.67</b>

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**By-products:**

S. No	Name of the product	Name of the By-product	Quantity in Kg/day
1	Albendazole	Ammonium chloride	112.33
		Sodium bromide	95.33
2	Duloxetine Hydrochloride	Oxalic acid	53.45
3	Levo Cetirizine Dihydrochloride	Tri ethyl amine hydrogen chloride	68.79
4	Mebeverine hydrochloride	Manganese oxide	65.57
		Sodium bromide	53.43
		Carbonic acid	26.73
		Sodium bromide	44.35
5	Omeprazole	Ammonium sulphate	713.17
		Sodium nitrite	126.11
		Sodium acetate	150.00
6	Pantoprazole Sodium	Sodium Di hydrogen phosphate	483.42
		Acetic Acid	133.22
		Sodium acetate	149.13
7	Rabeprazole Sodium	Sodium acetate	193.29
		Acetic acid	141.43
8	Rivaroxaban	Potassium chloride	61.40
		Tri ethyl amine Hydrochloride	200.88

**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 3.0 TPH Boiler & 1 x 5.0 TPH boiler	30 m 30 m	Cyclone Separators followed by Bag filters
2	<b>Thermic fluid heater:</b> Existing: 1 x 2 Lakh Kcal/hr (Diesel)	11 m	Cyclone Separator
3	<b>DG Sets:</b> Proposed: 2 x500 kVA	Adequate height	Acoustic enclosure

The process emissions containing Sulphur dioxide, Hydrogen Chloride, Di-methylamine, Chloromethane, Hydrogen Fluoride & Ammonia are to be routed through Multi-Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide & Oxygen gas are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen and Propane are to be safely dispersed into the atmosphere through Flame arrestor.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	19.58	0.00	19.58
2	Washings	0.00	2.00	2.00
3	Boiler Feed	43.00	4.00	47.00
4	Cooling Towers Feed	55.00	8.00	63.00
5	Scrubbing system	5.50	0.00	5.50
6	Domestic	0.79	8.21	9.00
7	Gardening	0.00	20.00	20.00
	<b>Total</b>	<b>123.87</b>	<b>42.21</b>	<b>166.08</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	24.85	0.35	25.20	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	0.00	2.00	2.00	
3	Boilers blow down	0.00	7.00	7.00	
5	Cooling towers bleed off	0.00	6.00	6.00	
5	Scrubber	5.50	0.00	5.50	
6	Domestic	0.00	8.00	8.00	
<b>Total :</b>		<b>30.35</b>	<b>23.35</b>	<b>53.70</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	3049 Kg/day	Sent to cement plants for co-incineration/TSDF
2	Solvent Distillation residue	466 Kg/day	
3	Spent Carbon	93Kg/day	
4	MEE Salts	2923 Kg/day	Sent to TSDF
5	ETP Sludge	50 Kg/day	
6	Boiler Ash	9625 Kg/day	Sent to brick manufacturers
7	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums	450No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
8	Organic distillate from MEE Stripper Distillate	460 Kg/day	Sent to cement plants for co-incineration/TSDF
9	Waste oils	200 Ltrs/year	Sent to authorized agencies
10	Used Lead acid Batteries	4 No.s/year	Sent to suppliers on buy back basis
11	Inorganic solid waste	1389 Kg/day	Sent to TSDF
12	Mixed Solvents	1176 Ltrs/ Day	Sent to authorized recyclers

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

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

*Ch. Reddy*

CHAIRMAN, SEAC

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<b>Agenda Item No.18</b>	<b>M/s. Spansules Formulations Pvt. Ltd., API Division Unit-II, Sy. Nos. 329 &amp; 334, Veliminedu Village, Chityal Mandal, Nalgonda District., Telangana – Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/155900/2020 (EC)</b>

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

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

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

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

Total area is 9.83Acres (or) 39780.60 Sqm/Ac/Ha, out of which Green area is 14769.0 Sqm/Ac/Ha (37.13%).

Nearest human habitation is Mogllidori(V) @ 0.98km; Nearest water body is Water body near Yepur @4.08km; Nearest RF is ChityalRF @ 5.83km from the industry.

Project Cost for proposed project is Rs. 25.00Crores. Budget for Environmental protection towards Capital Cost is Rs. 204Lakhs and Recurring Cost is Rs. 22Lakhs/annum. Budget for CER is Rs. 50.00Lakhs in first 5 years.

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

**Products:**

<b>S.No</b>	<b>Name of the Product</b>	<b>Quantity in MT/Month</b>	<b>Quantity in Kg/ Day</b>
1	Albendazole	5.00	166.67
2	Clopidogrel Bisulfate	20.00	666.67
3	DabigatranEtexilateMesylate	2.00	66.67
4	Darunavir	2.00	66.67
5	Dexlansoprazole	4.00	133.33
6	Domperidone	10.00	333.33
7	Duloxetine hydrochloride	10.00	333.33
8	Esomeprazole magnesium Trihydrate	10.00	333.33
9	Fenbendazole	5.00	166.67
10	ImatinibMesylate	4.00	133.33
11	Itraconazole	10.00	333.33
12	Ketorolac Tromethamine	6.00	200.00
13	Lansoprazole	20.00	666.67
14	Lopinavir	4.00	133.33
15	Mesalamine	4.00	133.33
16	Montelukast sodium	4.00	133.33
17	Niclosamide	5.00	166.67
18	Olmesartan	6.00	200.00
19	Omeprazole	30.00	1000.00
20	Oxyclozanide	5.00	166.67
21	Pantoprazole Sodium	20.00	666.67
22	Rafoxanide	5.00	166.67
23	Raltegravir	2.00	66.67
24	Ribavirin	2.00	66.67
25	Ritonavir	4.00	133.33

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S.No	Name of the Product	Quantity in MT/Month	Quantity in Kg/ Day
26	Rosuvastatin calcium	2.00	66.67
27	Sitagliptin	4.00	133.33
28	Sofosbuvir	2.00	66.67
29	TenofovirDisoproxilFumarate	2.00	66.67
<b>Total (Any Six products will be manufactured at any given point of time)</b>		<b>110.00</b>	<b>3666.67</b>

**By-products:**

S.No	Name of the product	Name of the By-product	Quantity in Kg/day
1	Albendazole	Ammonium chloride	112.30
		Sodium bromide	95.30
2	Clopidogrel bisulfate	Triethylamine hydrochloride	171.85
		p-Toluene sulfonic acid	185.00
3	Domperidone	Ammonium chloride	243.00
		Sodium bromide	73.30
		Sodium acetate	192.10
		Ammonium sulfate	171.00
4	Duloxetine hydrochloride	Oxalic acid	53.50
5	Lopinavir	Benzyl Alcohol	38.30
		Monosodium citrate	75.85
		Potassium chloride	61.40
		Monosodium citrate	65.25
6	Omeprazole	Ammonium sulfate	412.00
		Sodium nitrite	189.20
		sodium acetate	224.90
		Ammonium sulphate	657.75
7	Pantoprazole Sodium	Sodium Di hydrogen phosphate	483.40
8	Raltegravir	Triethylamine hydrochloride	27.50
9	Ribavirin	Acetic acid	14.20
10	Rosuvastatin calcium	Meta chloro benzoic acid	58.70

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

S.No	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> 1 x 3.0 TPH Boiler & 1 x 5.0 TPH boiler	30 m 30 m	Cyclone Separators followed by Bag filters
2	<b>Thermic fluid heater:</b> 1 x 2 Lakh Kcal/hr	11 m	Cyclone Separator
3	<b>DG Sets:</b> 1 x 250 kVA & 1 x500 kVA	Adequate height	Acoustic enclosure

The process emissions containing Sulphur dioxide, Hydrogen Chloride, Hydrogen Bromide, Di-methylamine, Chloromethane, Hydrogen Fluoride& 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 Flame arrestor.

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**Details of Water requirement:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	51.30	0.00	51.30
2	Washings	0.00	4.00	4.00
3	Boilers Feed	37.00	10.00	47.00
4	Cooling Towers Feed	76.00	38.00	114.00
5	Scrubbing system	12.00	0.00	12.00
6	Domestic	0.39	6.61	7.00
7	Gardening	0.00	22.00	22.00
	<b>Total</b>	<b>176.69</b>	<b>80.61</b>	<b>257.3</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	60.08	5.35	65.43	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	0.00	4.00	4.00	
3	Boilers blow down	0.00	7.00	7.00	
5	Cooling towers bleed off	0.00	12.00	12.00	
5	Scrubber	12.00	0.00	12.00	
6	Domestic	0.00	6.00	6.00	
<b>Total :</b>		<b>72.08</b>	<b>34.35</b>	<b>106.43</b>	

**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	6270 Kg/day	Sent to cement plants for co-incineration/TSDf
2	Solvent Distillation residue	1260 Kg/day	
3	Spent Carbon	239Kg/day	
4	MEE Salts	7000 Kg/day	Sent to TSDf
5	ETP Sludge	245 Kg/day	
6	Boilers Ash	9625 Kg/day	Sent to brick manufacturers
7	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums	1000No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
8	Organic distillate from MEE Stripper Distillate	2180 Kg/day	Sent to cement plants for co-incineration/TSDf
9	Waste oils	150Ltrs/year	Sent to authorized agencies
10	Used Lead acid Batteries	4 No.s/year	Sent to suppliers on buy back basis
11	Inorganic solid waste	2716 Kg/day	Sent to TSDf
12	Mixed Solvents	325Ltrs/ Day	Sent to authorized recyclers

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit and submit a report on impacts of the proposed project on nearest human habitation, water body, RF & surrounding environment, etc.,

**Members of Sub-Committee:**

1. Sri *Visaya Laxmi*
2. Sri *Scaven*  
*Krishna Reddy.*

*Ch. Arora*  
**CHAIRMAN, SEAC**

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<b>Agenda Item No.19</b>	<b>M/s. Symed Labs Limited, Unit-VI, Sy. Nos. 744, 745,750, 751, 752 &amp; 753, Mandollagudem Village, Choutuppal Mandal, Yadadri Bhuvanagiri District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/156094/2020 (EC)</b>

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

The existing unit obtained EC dt.14.08.2007 by MoE&F, GoI in favour of M/s. Inter Labs (India) Pvt. Ltd., for expansion of Bulk Drug Intermediates manufacturing unit.

CFO Renewal issued on 01.07.2017 and the unit is operating.

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

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

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

Total area is 40.17Acres (1,62,588.19 Sq.m), out of which Green area is 59,144.17 Sq.m (36.37%).

Nearest human habitation is Lingareddigudem(V) @ 1.01km; Nearest water body is Water body near Masidgudem@ 5.70km; Nearest RF is Choutuppal RF@ 1.34km from the industry.

Project Cost for proposed expansion is Rs. 25.0Crores. Budget for Environmental protection towards Capital Cost is Rs. 423Lakhs and Recurring Cost is Rs. 60Lakhs/annum. Budget for CER is Rs. 25.0Lakhs in first 5 years.

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

**Products:**

S. No	Name of the Product	Quantity (TPM)	Quantity in Kg/Day
1	2(2-Methoxy-phenoxy)-Ethylamine	0.40	13.33
2	2-Carboethoxy-3-cyano-5-methyl hexanoic acid	0.50	16.67
3	3-Acetyl thio-2-benzyl propanoicacidisopropyl amine salt	0.50	16.67
4	3-Carboxy Methyl Rhodamine	2.50	83.33
5	3-Methyl benzyl chloride	2.00	66.67
6	4-(Oxiranylmethoxy)-9H-Carbazole	0.50	16.67
7	4-Amino-5-chloro-2,3-dihydro-N-(4-Piperidinyl)benzofuran-7-carboxamide	2.00	66.67
8	5-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid	0.50	16.67
9	6-Amino-5-Bromo-Quinoxaline Hydrobromide	0.70	23.33
10	Adiphenine Hydrochloride	0.20	6.67
11	Agomelatine	1.50	50.00
12	Amisulpride	8.00	266.67
13	Apixaban	1.00	33.33
14	Asenapine Maleate	0.30	10.00
15	Benzoyl pyrrole	1.50	50.00
16	Betrixaban	1.00	33.33

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S. No	Name of the Product	Quantity (TPM)	Quantity in Kg/Day
17	Bilastine	1.50	50.00
18	Brimonidinetartarate	5.00	166.67
19	Cadazolid	2.50	83.33
20	Carbidopa	3.40	113.33
21	Carvedilol	6.00	200.00
22	Carvedilol Phosphate	2.00	66.67
23	Cetilistat	2.50	83.33
24	Cetirizine dihydrochloride	3.00	100.00
25	Cinitapride hydrogen tartrate	1.50	50.00
26	Cyclohexenyl methyl benzene sulfonate	2.50	83.33
27	Dapoxetine Hydrochloride	6.00	200.00
28	Deferasirox	6.00	200.00
29	Dronedarone hydrochloride	1.50	50.00
30	Epalrestat	2.50	83.33
31	Eszopiclone	1.00	33.33
32	Flibanserin	1.00	33.33
33	Fluconazole	4.00	133.33
34	Flufenamic acid	1.00	33.33
35	Glycine Benzyl Ester P-Tosylate	0.30	10.00
36	Hydroxychloroquine Sulphate	5.00	166.67
37	Hydroxyzine hydrochloride	8.00	266.67
38	Idrocilamide	3.00	100.00
39	Iloperidone	3.00	100.00
40	Iron Sorbitol Citric Acid Dextrin Complex	7.00	233.33
41	Iron Sucrose	10.00	333.33
42	Itopride Hydrochloride	8.00	266.67
43	Ketorolac tromethamine	8.00	266.67
44	Lanthanum Carbonate	3.50	116.67
45	Levocetirizine di Hydrochloride	13.00	433.33
46	Levosulpride	4.00	133.33
47	Linezolid	21.00	700.00
48	Meclizine Hydrochloride	4.50	150.00
49	Meprobamate	1.50	50.00
50	Mosapride Citrate Dihydrate	5.00	166.67
51	N-[(4-chloro-phenyl)-phenyl-methyl]-formamide	5.00	166.67
52	N-[2-(7-Hydroxy-1-Naphthyl)ethyl]Acetamide	2.00	66.67
53	Ondansertron Hydrochloride dihydrate	4.00	133.33
54	otilonium bromide	1.00	33.33
55	Phentermine Hydrochloride	1.00	33.33
56	Pomaldimide	1.00	33.33
57	Pregabalin	15.00	500.00
58	Prucalopride Succinate	1.00	33.33
59	Pure Tri Ethyl Methane Tricarboxylate	2.50	83.33
60	R -3-(2-Amino-2-Oxoethyl)-5-Methylhexanoic Acid	0.50	16.67
61	R-(-)-3-(Carbamoylmethyl)-5-Methyl Hexanoic Acid	2.20	73.33
62	Racecadotril	4.00	133.33
63	Ramelteon	1.00	33.33
64	Rebamipide	1.00	33.33
65	Retigabine	1.00	33.33
66	Rivaroxaban	2.00	66.67
67	Selexipag	1.00	33.33
68	Sibutamine hydrochloride tartrate	1.50	50.00



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S. No	Name of the Product	Quantity (TPM)	Quantity in Kg/Day
69	Sucroferricoxyhydroxide	3.00	100.00
70	Tamsulosin hydrochloride	2.00	66.67
71	Tapentadol Hydrochloride	2.00	66.67
72	Tavaborole	1.00	33.33
73	Thalidomide	1.00	33.33
74	Tizanidine Hydrochloride	1.80	60.00
75	Tofisopam	1.20	40.00
76	Topiramate	1.50	50.00
77	Trimethoxybenzamide	2.00	66.67
78	Vilazodone Hydrochloride	1.00	33.33
79	Vortioxetinehydrobromide	1.00	33.33
80	Zopiclone	4.00	133.33
81	Zotepine	1.00	33.33
	<b>Total</b>	<b>250.00</b>	<b>8333.33</b>

**By-products:**

S. No	Name of the product	Name of the By-product	Quantity in kg/day
1	Linezolid	Imidazole	543.69
2	Phentermine Hydrochloride	2-Imino-thiozolidin-4-one	28.98
3	R-(-)-3-(Carbamoylmethyl)-5-Methyl Hexanoic Acid	R-Phenyl ethyl amine	55.88

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

S.No	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 2x 4.0TPH Boiler & 1 x 5.0 TPH Boiler Proposed: 2 x2.0 TPH Boilers & 3 x12.0 TPH Boilers	30 m 30 m 30 m 32 m	Multi - Cyclone Separators followed by Bag filters
2	<b>Thermic fluid heater:</b> Existing: 1 x 1 Lakh K.cal/ hr Proposed: 2 x 2 Lakh K.cal/hr	11 m 11 m	Cyclone Separator
3	<b>DG Sets:</b> Existing: 1x 250 kVA 1 x185 kVA 2 x 500 kVA & 2 x 600 kVA Proposed :3 x 1000 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, 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 Flame arrestor.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	160.71	0.00	160.71
2	Washings	0.00	8.00	8.00
3	Boilers Feed	262.50	49.00	311.50
4	Cooling Towers Feed	546.50	80.00	626.50
5	Scrubbing system	9.00	0.00	9.00
6	Domestic	1.58	28.42	30.00

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7	Gardening	0.00	89.00	89.00
	<b>Total</b>	<b>980.29</b>	<b>254.42</b>	<b>1234.71</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	168.37	1.28	169.65	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	0.00	8.00	8.00	
3	Boilers blow down	0.00	45.00	45.00	
5	Cooling towers bleed off	0.00	65.00	65.00	
5	Scrubber	9.00	0.00	9.00	
6	Domestic	0.00	25.00	25.00	
<b>Total :</b>		<b>177.37</b>	<b>144.28</b>	<b>321.65</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	7780 Kg/day	Sent to cement plants for co-incineration/TSDF
2	Solvent Distillation residue	2437 Kg/day	
3	Spent Carbon	1389Kg/day	
4	MEE Salts	8133 Kg/day	Sent to TSDF
5	ETP Sludge	3000 Kg/day	
6	Boilers Ash	50050 Kg/day	Sent to brick manufacturers
7	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums	1500 No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
8	Organic distillate from MEE Stripper Distillate	1580 Kg/day	Sent to cement plants for co-incineration/TSDF
9	Waste oils	900 Ltrs/year	Sent to authorized agencies
10	Used Lead acid Batteries	18No.s/year	Sent to suppliers on buy back basis
11	Inorganic solid waste	939 Kg/day	Sent to TSDF
12	Mixed solvents	3500Ltrs/ Day	Sent to cement plants for co-incineration/TSDF

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

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

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<b>Agenda Item No.20</b>	<b>M/s. Synergene Active Ingredients Pvt. Ltd., Sy. No. 27/U2, Masaipet Village &amp; Grama Panchayat, Yeldurthy Mandal, Medak District., Telangana – Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/157034/2020 (EC)</b>

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

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

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

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

Total area is 2.875Acres (11,634.71 Sq.m.), out of which Green area is 4,310 S.qm. (37.05%).

Nearest human habitation is Masaipet(V) @ 0.89km; Nearest water body is Haldi River @0.88km; Nearest RF is SoraramRF @ 1.26km from the industry.

Project Cost for proposed expansion is Rs. 46.50Crores. Budget for Environmental protection towards Capital Cost is Rs. 201Lakhs and Recurring Cost is Rs. 20Lakhs/annum. Budget for CER is Rs. 93.0Lakhs in first 5 years.

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

**Products:**

S. No	Product Name	Quantity in MT/Month	Quantity in Kg/ Day
1	Bilastine	0.10	3.33
2	Drotaverine Hydrochloride	60.00	2000.00
3	Flurbiprofen	1.20	33.33
4	Fluconazole	60.00	66.67
5	Lamotrigine	36.00	1200.00
6	Mebeverine Hydrochloride	60.00	2000.00
7	Mirtazapine	0.10	3.33
8	Ramelteon	0.10	3.33
9	Rivaroxaban	0.10	3.33
10	Terbinafine Hydrochloride	60.00	2000.00
11	Ticagrelor	1.20	40.00
12	Tranexamic acid	60.00	2000.00
13	Voriconazole	6.00	200.00
<b>Total (Any three products will be manufactured at any given point of time)</b>		<b>180.00</b>	<b>6000.00</b>

**By-products:**

S.No	Name of the product	Name of the By-product	Quantity in Kg/day
1	Drotaverine Hydrochloride	Phosphoric Acid	531.60
2	Fluconazole	Aluminium Hydroxide solution (33%)	3095.20
		Ammonium nitrate	793.20
		Dimethyl Sulfoxide	673.60
3	Flurbiprofen	Magnesium bromide	34.00
4	Terbinafine Hydrochloride	Potassium chloride	1628.70
		Potassium chloride	511.20
5	Tranexamic acid	N-Succinimide	1981.00
		Sodium Bromide	1769.40

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

S.No	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Proposed: 1 x 5.0 TPH boiler	30 m	Cyclone Separator followed by Bag filters
2	<b>DG Sets:</b> Proposed: 1 x 800 kVA	Adequate height	Acoustic enclosure
3	<b>Thermic fluid heater (Desiel fired):</b> 2 lakh Kl.cal/hr	11 m	Cyclone Separator

The process emissions containing Sulphur dioxide, Hydrogen Chloride & Hydrogen Iodide 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 Flame arrestor.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	43.40	0.00	43.40
2	Washings	0.00	5.00	5.00
3	Boilers Feed	21.00	8.00	29.00
4	Cooling Towers Feed	96.00	44.00	140.00
5	Scrubbing system	10.50	0.00	10.50
6	Domestic	1.17	21.33	22.50
7	Gardening	0.00	6.50	6.50
	<b>Total</b>	<b>172.07</b>	<b>84.83</b>	<b>256.9</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	36.98	12.54	49.52	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	0.00	5.00	5.00	
3	Boilers blow down	0.00	4.00	4.00	
5	Cooling towers bleed off	0.00	16.00	16.00	
5	Scrubber	10.50	0.00	10.50	
6	Domestic	0.00	20.00	20.00	
<b>Total :</b>		<b>47.48</b>	<b>57.54</b>	<b>105.02</b>	

**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	3842 Kg/day	Sent to cement plants for co-incineration/TSDF
2	Solvent Distillation residue	1004 Kg/day	
3	Spent Carbon	124Kg/day	
4	MEE Salts	1743 Kg/day	Sent to TSDF
5	ETP Sludge	70 Kg/day	
6	Boiler Ash	7000 Kg/day	Sent to brick manufacturers
7	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums	600No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification

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8	Organic distillate from MEE Stripper Distillate	670 Kg/day	Sent to cement plants for co-incineration/TSDF
9	Waste oils	160Ltrs/year	Sent to authorized agencies
10	Used Lead acid Batteries	2No.s/year	Sent to suppliers on buy back basis
11	Inorganic solid waste	1887 Kg/day	Sent to TSDF
12	Mixed Solvents	5037Ltrs/ Day	Sent to authorized recyclers / will be recovered within plant premises

After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit and submit a report on impacts of the proposed project on nearest human habitation, water body, RF & surrounding environment, etc.,

Members of Sub-Committee:

1. Sri Sivakumar
2. Sri Mantvi Krishna Reddy.

<b>Agenda Item No.21</b>	<b>M/s. Srinivasa Organics, Sy. Nos. 490/1, 490/1/A, 491/A/1 &amp; 490/2, Polepalli Village, Jadcherla Mandal, Mahabubnagar District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/159845/2020 (EC)</b>

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

The proponent informed that APPCB (Combined State) issued CFE on 20.02.2006; and also the industry obtained CFE vide order dt.15.03.2019 for change of product mix from TSPCB.

Latest CFO (Renewal) issued on 28.08.2019 and the unit is operating.

The proponent submitted Self-compliance Report for CFO conditions.

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

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

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

Total area is 8.4Acres (33,993.59 Sq.m), out of which Green area is 13.345.79 Sq.m (39.26%).

Nearest human habitation is Pollepalli(V) @ 0.84km; Nearest water body is Water body near Pollepalli@ 1.61km; Nearest RF is Forest nearby Uddandapur@ 6.16km from the industry.

Project Cost for proposed expansion is Rs. 55.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 228.0 Lakhs and Recurring Cost is Rs. 26.0 Lakhs/annum. Budget for CER is Rs. 55.0 Lakhs in first 5 years.

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

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**Products:**

S. No.	Product Name	Quantity (MT/Month)	Quantity (Kg/ Day)
1	2,4-Diamino-6-Chloro Pyrimidine-3-Oxide (Minoxidil Intermediate)	20.0	666.67
2	2,6-Dimethyl Phenoxy Acetyl Chloride (Lopinavir Intermediate)	5.0	166.67
3	2-Phenyl-1h-Benzoimidazole-5-Sulfonic Acid (PBSA)	30.0	1000.00
4	3-Bromobenzocapro lactam	5.0	166.67
5	4-Amino -2- Chloro-6,7- DimethoxyQuinazoline (Alfuzosine Intermediate )	0.5	16.67
6	4-Methyl-6-(2, 4, 4-Trimethyl-Pentyl)-Pyran-2-One (PiroctoneOlamine Intermediate)	100.0	3333.33
7	4-N-Butyl Resorcinol	5.0	166.67
8	4-N-Hexyl Resorcinol	5.0	166.67
9	5-Bromoindole	2.0	66.67
10	5-Cyanoindole	0.5	16.67
11	5-Nitroindole	0.5	16.67
12	6-Chloropyrimidine-2, 4-Diamine (Minoxidil Intermediate)	20.0	666.67
13	Atazanavir	1.0	33.33
14	BOHI Hydrochloride (Trandalopril Intermediate(Benzyl(2s,3ar,7as) Octahydro-1h-Indole-2-Carboxylate Hydrochloride)	5.0	166.67
15	Brexpiprazole	2.5	83.33
16	Cetirizine Dihydrochloride	10.0	333.33
17	CiclopiroxOlamine	5.0	166.67
18	Ciprofloxacin Hydrochloride	20.0	666.67
19	DabigatranEtexilateMesylate	0.5	16.67
20	Diethyl Hexyl ButamidoTriazone (Iscotrizinol)	20.00	666.67
21	DiphemaniMethylsulphate	0.5	16.67
22	Enrofloxacin	10.00	333.33
23	Ethylhexyltriazone (BHT)	20.0	666.67
24	Etoricoxib	10.0	333.33
25	Hydrochlorothiazide	10.0	333.33
26	Itraconazole	20.0	666.67
27	Ketoconazole	20.0	666.67
28	Minoxidil	10.0	333.33
29	Pantoprazole Sodium	10.0	333.33
30	Pazopanib Hydrochloride	1.0	33.33
31	PiroctoneOlamine	20.0	666.67
32	Pregabalin	5.0	166.67
33	Rivaroxaban	0.5	16.67
34	Solifenacin Succinate	1.0	33.33
35	Sorafenib	1.0	33.33
36	Sumatriptan Succinate	2.0	66.67
37	Tamsulosin Hydrochloride	1.0	33.33
38	Telmisartan	5.0	166.67
39	TeneligliptinPenta Hydro Bromide Hydrate	1.0	33.33
40	Tizanidine Hydrochloride	10.0	333.33
<b>Total (Any six products will be manufactured at any given Point of time)</b>		<b>210.0</b>	<b>7000.00</b>

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**By-products:**

S. No	Name of the product	Name of the By-product	Quantity in Kg/day
1	4-Methyl-6-(2, 4, 4-trimethyl-pentyl)-pyran-2-one (PiroctoneOlamine Intermediate)	Aluminium hydroxide Solution (33%)	4680.00
2	6-Chloropyrimidine-2, 4-diamine(Minoxidil Intermediate)	Sodium nitrate	554.64
		Trisodium phosphate	899.50
3	BOHI Hydrochloride	Potassium di hydrogen orthophosphate	189.50
		Potassium Chloride	311.40
		Tri ethylamine Hydrochloride	216.50
4	Ciprofloxacin Hydrochloride	Sodium acetate	158.80
		PiperazineHCl	229.30
5	Enrofloxacin	Sodium acetate	126.80
6	Etoricoxib	Aluminium hydroxide solution (33%)	374.30
		Phosphoric acid	116.30
		IsoButanol	76.50
7	Itraconazole	Potassium chloride	482.30
		Phenol	172.30
		Potassium bromide	337.30
		Sodium bromide	245.10
		Sodium Benzoate	206.70
		Triethylamine Hydrochloride	167.90
8	Ketoconazole	Benzoic acid	222.20
		Sodium bromide	187.20
9	PiroctoneOlamine	Aluminum hydroxide solution (33%)	738.60
11	Rivaroxaban	Triethylamine Hydrochloride	17.10
12	Solifenacin Succinate	Triethylamine Hydrochloride	14.00

**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 5.0 TPH Boiler 1 x 3.0 TPH boiler & 1 x 5.0 TPH (Standby)	30 m 30 m 30 m	Cyclone Separators followed by Bag filters
2	<b>Thermic fluid heater:</b> Proposed: 1 x 4 Lakh K.cal/hr (Standby)& 1 x 4 Lakh K.cal/hr	11 m	Cyclone Separator
3	<b>DG Sets:</b> Proposed: 3 x500 kVA	Adequate height	Acoustic enclosure

The process emissions containing Sulphur dioxide, Hydrogen Chloride, Hydrogen Bromide, Di-methylamine, Hydrogen Fluoride& Ammonia are to be routed through Multi-Stage Scrubber system. The process emissions containing derivatives of Carbon dioxide& Oxygen gas are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen & Propane are to be safely dispersed into the atmosphere through Flame arrestor.

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**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	53.52	0.00	53.52
2	Washings	0.00	7.00	7.00
3	Boilers Feed	37.00	10.00	47.00
4	Cooling Towers Feed	238.00	63.00	301.00
5	Scrubbing system	25.50	0.00	25.50
6	Domestic	1.49	12.01	13.50
7	Gardening	0.00	20.00	20.00
	<b>Total</b>	<b>355.51</b>	<b>112.01</b>	<b>467.52</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	54.23	4.93	59.16	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	0.00	7.00	7.00	
3	Boilers blow down	0.00	7.00	7.00	
5	Cooling towers bleed off	0.00	32.00	32.00	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
5	Scrubber	25.50	0.00	25.50	
6	Domestic	0.00	12.00	12.00	
<b>Total :</b>		<b>79.73</b>	<b>62.93</b>	<b>142.66</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	4522 Kg/day	Sent to cement plants for co-incineration/TSDF
2	Solvent Distillation residue	1073 Kg/day	
3	Spent Carbon	165Kg/day	
4	MEE Salts	3715 Kg/day	Sent to TSDF
5	ETP Sludge	175 Kg/day	Sent to brick manufacturers
6	Boilers Ash	9625 Kg/day	
7	Thermo pack boiler ash	1050 Kg/ Day	
8	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums	1000 No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
9	Organic distillate from MEE Stripper Distillate	1610 Kg/day	Sent to cement plants for co-incineration/TSDF
10	Waste oils	300 Ltrs/year	Sent to authorized agencies
11	Used Lead acid Batteries	6 No.s/year	Sent to suppliers on buy back basis
12	Inorganic solid waste	2475 Kg/day	Sent to TSDF

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings

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- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

- 1. Sri *Sivakumar Krishna Reddy.*
- 2. Sri *Manturi*

<b>Agenda Item No.22</b>	<b>M/s. Symed Labs Limited, (Unit-IV), Sy. Nos. 144, 163, 163/A, 163/B, 164, 164/A, 164/B, 166, 167, 168 &amp; 169, Pittampally Village, Chityal Mandal, Nalgonda District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/160313/2020 (EC)</b>

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

EC obtained on dt.29.08.2016 from the MoEF&CC, GoI for the existing unit for expansion of Bulk Drug Intermediates.

Submit copy of certified compliance report issued by the Regional Office of the MoEF&CC, GoI, Chennai, as per O.M. dt.30.05.2012 & 07.09.2017 of MoE&F, GoI.: on 17.06.2020

CFE issued on 24.01.2018

CFO (Renewal) issued on 17.05.2018 and the unit is operating.

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

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

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

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

Total area is 22.3Acres (90,244.89 Sq.m), out of which Green area is 40,150.05 Sq.m (44.49%).

Nearest human habitation is Pittampalle (V) @ 1.45 km; Nearest water body is Water body near Yepur@ 1.47 km; Nearest RF is Chityal RF@ 7.45 km from the industry.

Project Cost for proposed expansion is Rs. 51.6 Crores. Budget for Environmental protection towards Capital Cost is Rs. 1147 Lakhs and Recurring Cost is Rs. 80.0 Lakhs/annum. Budget for CER is Rs. 51.6Lakhs in first 5 years.

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

**Products:**

S.No	Name of the Product	Quantity (Kg/Month)	Quantity (Kg/Day)
1	3-Acetyl thio-2-benzyl propanoic acid isopropyl amine salt	400.00	13.33

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S.No	Name of the Product	Quantity (Kg/Month)	Quantity (Kg/Day)
2	3-Carboxy Methyl Rhodamine	2000.00	66.67
3	3-Methyl benzyl chloride	2000.00	66.67
4	4-Amino-5-chloro-2,3-dihydro-N-(4-Piperidinyl)benzofuran-7-carboxamide	2000.00	66.67
5	Adiphenine Hydrochloride	200.00	6.67
6	Agomelatine	1500.00	50.00
7	Amisulpride	8000.00	266.67
8	Apixaban	1000.00	33.33
9	Asenapine Maleate	1000.00	33.33
10	Betrixaban	2000.00	66.67
11	Bilastine	1500.00	50.00
12	Brimonidinetartarate	5000.00	166.67
13	Cadazolid	3000.00	100.00
14	Carbidopa	3400.00	113.33
15	Carvedilol	6500.00	216.67
16	Carvedilol Phosphate	2000.00	66.67
17	Cetlistat	2500.00	83.33
18	Cetirizine dihydrochloride	3000.00	100.00
19	Cinitapride hydrogen tartrate	1500.00	50.00
20	Cyclohexenyl methyl benzene sulfonate	2500.00	83.33
21	Dapoxetine Hydrochloride	6000.00	200.00
22	Deferasirox	6000.00	200.00
23	Dronedaron hydrochloride	1500.00	50.00
24	Epalrestat	2500.00	83.33
25	Eszopiclone	1000.00	33.33
26	Flibanserin	2000.00	66.67
27	Fluconazole	4000.00	133.33
28	Flufenamic acid	1000.00	33.33
29	HydroxyChloroquineSulphate	5000.00	166.67
30	Hydroxyzine hydrochloride	8000.00	266.67
31	Idrocilamide	3000.00	100.00
32	Iloperidone	3000.00	100.00
33	Iron Sorbitol Citric Acid Dextrin Complex	8000.00	266.67
34	Iron Sucrose	10000.00	333.33
35	Itopride Hydrochloride	9000.00	300.00
36	Ketorolac tromethamine	8000.00	266.67
37	Lanthanum Carbonate	3500.00	116.67
38	Levocetirizine di Hydrochloride	13000.00	433.33
39	Levosulpride	3000.00	100.00
40	Linezolid	22000.00	733.33
41	Meclizine Hydrochloride	4500.00	150.00
42	Meprobamate	1500.00	50.00
43	Mosapride Citrate Dihydrate	5000.00	166.67
44	N-[(4-chloro-phenyl)-phenyl-methyl]-formamide	5000.00	166.67
45	N-[2-(7-Hydroxy-1-Naphthyl)ethyl]Acetamide	2000.00	66.67
46	Ondansetron Hydrochloride dihydrate	4000.00	133.33
47	Otilonium bromide	1000.00	33.33
48	Phentermine Hydrochloride	1000.00	33.33
49	Pomaldimide	1000.00	33.33
50	Pregabalin	15000.00	500.00
51	Prucalopride Succinate	1000.00	33.33
52	Pure Tri Ethyl Methane Tricarboxylate	2500.00	83.33
53	Racecadotril	4000.00	133.33
54	Ramelteon	1000.00	33.33
55	Rebamipide	1000.00	33.33

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S.No	Name of the Product	Quantity (Kg/Month)	Quantity (Kg/Day)
56	Retigabine	1000.00	33.33
57	Rivaroxaban	2000.00	66.67
58	Selexipag	1000.00	33.33
59	Sibutramine hydrochloride tartrate	1500.00	50.00
60	Sucroferricoxyhydroxide	2500.00	83.33
61	Tamsulosin hydrochloride	2000.00	66.67
62	Tapentadol Hydrochloride	2000.00	66.67
63	Tavaborole	1000.00	33.33
64	Thalidomide	1000.00	33.33
65	Tizanidine Hydrochloride	2000.00	66.67
66	Tofisopam	1000.00	33.33
67	Topiramate	1500.00	50.00
68	Trimethoxybenzamide	2000.00	66.67
69	Vilazodone Hydrochloride	1000.00	33.33
70	Vortioxetinehydrobromide	2500.00	83.33
71	Zopiclone	4000.00	133.33
72	Zotepine	2000.00	66.67
	<b>Total</b>	<b>250000.00</b>	<b>8333.33</b>

**By-products:**

S. No	Name of the product	Name of the By-product	Quantity in Kg/day
1	Linezolid	Imidazole	570.00
2	Phentermine Hydrochloride	2-Imino-thiozolidin-4-one	29.00

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

S.No	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Existing: 1x 2.0TPH Boiler & 1 x 5.0 TPH Boiler Proposed: 3 x 12.0 TPH Boiler	30 m 30 m 30 m	Multi - Cyclone Separators followed by Bag filters
2	<b>Thermic fluid heater:</b> Proposed: 2 x 2 Lakh K.cal/hr	11 m	Cyclone Separator
3	<b>DG Sets:</b> Existing: 1 x 500 kVA (Standby)  Proposed: 1 x 500 kVA 2 x 600 kVA & 3 x 1000 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, 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 Flame arrestor.

**Details of Water requirement after expansion:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	161.98	0.00	161.98
2	Washings	0.00	8.00	8.00
3	Boilers Feed	198.50	54.00	252.50
4	Cooling Towers Feed	340.00	80.00	420.00
5	Scrubbing system	9.00	0.00	9.00
6	Domestic	0.82	26.18	27.00
7	Gardening	0.00	60.00	60.00
	<b>Total</b>	<b>710.30</b>	<b>228.18</b>	<b>938.48</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	169.64	1.33	170.97	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	0.00	8.00	8.00	
3	Boilers blow down	0.00	36.00	36.00	
5	Cooling towers bleed off	0.00	45.50	45.50	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
5	Scrubber	9.00	0.00	9.00	
6	Domestic	0.00	23.00	23.00	
<b>Total :</b>		<b>178.64</b>	<b>113.83</b>	<b>292.47</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	7481 Kg/day	Sent to cement plants for co-incineration/TSDF
2	Solvent Distillation residue	2600 Kg/day	
3	Spent Carbon	1413Kg/day	
4	MEE Salts	8027 Kg/day	Sent to TSDF
5	ETP Sludge	3000 Kg/day	Sent to brick manufacturers
6	Boilers Ash	41300 Kg/day	
7	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums	1500 No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
8	Organic distillate from MEE Stripper Distillate	1530 Kg/day	Sent to cement plants for co-incineration/TSDF
9	Waste oils	1040 Ltrs/year	Sent to authorized agencies
10	Used Lead acid Batteries	14 No.s/year	Sent to suppliers on buy back basis
11	Inorganic solid waste	947 Kg/day	Sent to TSDF
12	Mixed solvents	3847 Ltrs/ Day	Sent to cement plants for co-incineration/TSDF

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

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

*Ch. Arjun*  
CHAIRMAN, SEAC

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<b>Agenda Item No.23</b>	<b>M/s. Balaji Formulations Private Limited, Unit - IV, Sy.No: 208/35, 312/26 AA, Ramlingampally (V), Bommalaramaram (M), Yadadri- Bhuvanagiri District., Telangana – Environmental Clearance - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/157558/2020 (EC)</b>

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

Currently the Unit is operating crusher in the proposed project site for which the unit obtained CFO from Pollution control Board vide order No. TSPCB/ZO/RCP/NLG/302/W &A/2016-1393 dated 14.7.2016 valid upto 30.4.2021. It is now proposed to establishment Bulk drugs and drug intermediates unit. Once the pharma unit obtains necessary permissions the unit will stop the operations of the crusher.

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

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

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

Total area Ac. 4.05, out of which Green area is Ac.1.34 (33%).

Nearest human habitation is Ankireddipalli (V) @ 0.73 km; Nearest water body is Ramlingampalli Tank @ 0.97 km; Nearest RF is Keshavpur RF @ 0.75 km from the industry.

Project Cost for proposed project is Rs. 20.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 4.0 Crores and Recurring Cost is Rs. 85.0 Lakhs/annum. Budget for CER is Rs. 40.0 lakhs in first 5 years.

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

**Products:**

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Tenofovir Disoproxil Fumarate	133.3	4.00
2	Zidovudine	333.3	10.00
3	Ritonovir	166.7	5.00
4	Lopinavir	166.7	5.00
5	Lamivudine	166.7	5.00
6	Amlodipine Besylate	200.0	6.00
7	Fluconazole	166.7	5.00
8	pantoprazole sodium	333.3	10.00
9	Cetirizine Dihydrochloride	333.3	10.00
10	Acyclovir	333.3	10.00
11	Darunavir	200.0	6.00
12	Emtricitabine	200.0	6.00
13	Levocetirizine Dihydrochloride	133.3	4.00
14	Rabeprazole sodium	133.3	4.00
15	Abacavir	166.7	5.00
16	Paracetamol	166.7	5.00
17	Metformin HCl	166.7	5.00
18	Hydroxychloroquine	666.7	20.00

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19	4-[(2-trityl tetrazole-5yl) phenyl] benzyl bromide (TTBB)	833.3	25.00
20	Trityl Chloride	3333.3	100.00
21	Recovery Trityl Chloride	3333.3	100.00
22	2-chlorotrityl chloride	1666.7	50.00
23	R & D products	10.0	0.3
	<b>Total</b>	<b>13343.3</b>	<b>400.3</b>

**By-products:**

S.No	Name of the Product	Name of the By product	Capacity	
			Kg/day	TPM
1	Lamivudine, Stage II	Thio acetic acid	33.3	1.0
2	Emtricitabine, Stage I	L-Menthol	156.7	4.7
3	Paracetamol, Stage I	Dilute Acetic acid 31%	206.7	6.2
4	Levo Cetrizine, Stage IV	Spent HCl	26.7	0.8
		<b>Total</b>	<b>423.3</b>	<b>12.7</b>

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

S.No.	Utility	Stack Height (mt)	APCE
1	<b>Coal fired Boiler:</b> Proposed: 1 x 2.5 TPH ; 1 x 6 TPH	30 m 30 m	Cyclone separator/ Bag filters
2	<b>Thermic fluid heater</b> 1 x 4 Lakh K.cal/hr	10 m	
3	<b>DG Sets:</b> Existing: 1 x 350 kVA Proposed: 2 x 500 kVA	Adequate height	Acoustic enclosure

The process emissions containing Sulphur dioxide, Hydrochloric Acid, Ammonia, NO<sub>2</sub> 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:**

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	81.4	-	81.4
2	Washings	5.0	-	5.0
3	Biotech R& D	-	-	-
4	Scrubber	2.0	-	2.0
5	Boiler Feed	3.0	67.0	70.0
6	Cooling Tower	2.0	23.0	25.0
7	RO/DM Rejects	2.0	-	2.0
8	Domestic	5.0	-	5.0
9	Gardening	10.0	-	10.0
	<b>Total</b>	<b>110.4</b>	<b>90.0</b>	<b>200.4</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	93.3	-	93.3	Zero Liquid Discharge System ie., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.  Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
2	Washings	5.0	-	5.0	
3	Biotech and R&D Lab	-	-	-	
4	Boiler blow down	-	7.0	7.0	
5	Cooling tower bleed of	-	2.5	2.5	
6	Scrubber	2.0	-	2.0	
7	RO/DM Plant Rejects	-	2.0	2.0	
8	Domestic	-	4.0	4.0	
<b>Total :</b>		<b>100.3</b>	<b>15.5</b>	<b>115.8</b>	

**Details of Solid Waste:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	6.47 TPD	Sent to cement plants for co-incineration/TSDF
2	Solvent residue	1.23 TPD	
3	Spent Carbon	1.21 TPD	
4	In organic residue	0.12 TPD	Sent to TSDF
5	Evaporation Salts	7.22 TPD	
6	ETP Sludge	0.5 TPD	
7	Boiler Ash	8.0 TPD	Sent to brick manufacturers
8	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums	500 No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
9	Spent Solvents	45.6 KLD	Sent to authorized recyclers
10	Stripper Distillate	4.91 KLD	Sent to cement plants for co-incineration/TSDF
11	Waste oils & Grease	200 LPM	Sent to authorized agencies
12	Used Lead acid Batteries	4 No.s/ year	Sent to suppliers on buy back basis

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

1. Sri Krishna Reddy.
2. Sri Siva Kumar.



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<b>Agenda Item No.24</b>	<b>M/s. Shree Vinayaka Life Sciences Private Limited., Plot. No.39, 40, 43, 44, 49, 51 &amp; 55 SVCIE, IDA, Jeedimetla, Medchal District., Telangana – Environmental Clearance (Expansion) - Reg.</b>
<b>Proposal No.</b>	<b>SIA/TG/IND2/158839/2020 (EC)</b>

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

As the unit is drug intermediate category and not covered under 1994 EIA notification, EC requirement was not there and hence not taken

CFE issued on 2003 for dye intermediates manufacturing unit.

The current CFO is issued vide letter No. TSPCB/54/RO-RR-II/HO/CFO/2018 dated 3.3.2018 which is valid upto 31.3.2023. The unit is operating

The proponent submitted Self-compliance Report for CFO conditions.

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

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

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

Total area is 1.2 Ac, out of which Green area is 0.42 Ac (35%).

Nearest human habitation is Jeedimetla (V) @ 0.32 km; Nearest water body is Fox sagar @ 0.64 km; Nearest RF is Dulapalli RF @ 1.21 km from the industry.

Project Cost for proposed expansion is Rs. 3.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 1.2 Crores and Recurring Cost is Rs. 55.0 Lakhs/annum. Budget for CER is Rs. 3.0 lakhs in first 5 years.

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

**Products:**

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Levetiracetam	166.7	5.0
2	Loratadine	266.7	8.0
3	Lopinavir	166.7	5.0
4	Ramipril	166.7	5.0
5	Ritonavir	166.7	5.0
6	Vildagliptin	166.7	5.0
7	(5S)-2-amino-5-N,N-2-Dibenzylamino-4-oxo- 1,6-diphenylhex-2-ene (Protected Amino Ketone- PAK)	666.7	20.0
8	(2,6-dimethyl-phenoxy)-acetyl chloride	66.7	2.0
9	(2s)-(1-tetrahydro pyramid-2-one) -3-methyl butanoic acid	166.7	5.0
	<b>Total</b>	<b>2000.0</b>	<b>60.00</b>



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**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 2 TPH & 1x 3 TPH	30 m 30 m	Cyclone Separator
2	<b>DG Sets:</b> Proposed; 2 x 480 kVA	Adequate height	Acoustic enclosure

The process emissions containing Sulphur dioxide & Hydrogen Chloride 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	19.9	-	19.9
2	Washings	2.0	-	2.0
3	Scrubber	1.0	-	1.0
4	Boiler Feed	20.0	20.0	40.0
5	Cooling Tower	38.0	12.0	50.0
6	RO/DM Rejects	2.0	-	2.0
7	Domestic	4.0	-	4.0
8	Gardening	12.0	-	12.0
	<b>Total</b>	<b>98.9</b>	<b>32.0</b>	<b>130.9</b>

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	22.3	-	22.3	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	2.0	-	2.0	
3	Boiler blow down	-	4.0	4.0	
4	Cooling tower bleed of	-	5.0	5.0	
5	Scrubber	1.0	-	1.0	
6	RO/DM Plant Rejects	-	2.0	2.0	
7	Domestic	-	3.0	3.0	
<b>Total :</b>		<b>25.3</b>	<b>14.0</b>	<b>39.3</b>	

**Details of Solid Waste after expansion:**

S.No	Description	Quantity	Mode of Disposal
1	Process Organic residue	26.0 TPM	Sent to cement plants for co-incineration/TSDF
2	Solvent residue	5.5 TPM	
3	Spent Carbon	1.6 TPM	
4	Inorganic residue	2.1 TPM	Sent to TSDF
5	Evaporation Salts	44.9 TPM	
6	ETP Sludge	1.5 TPM	
7	Boiler Ash	142.5 TPM	Sent to brick manufacturers
8	a) Detoxified Container / Liners drums b) HDPE Carboys/ Drums	200 No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
9	Spent Solvents	6.7 KLD	Sent to authorized recyclers,

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10	Stripper Distillate	24.0 KLM	Sent to cement plants for co-incineration/TSDf
11	Waste oils & Grease	100 LPA	Sent to authorized agencies
12	Used Lead acid Batteries	2 No.s/ year	Sent to suppliers on buy back basis

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

- i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- ii) Project modification
- iii) Project cost
- iv) ZLD System & its adequacy
- v) ETP modifications
- vi) Products: Comparison of existing and proposed (which are going for expansion)
- vii) Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- viii) Raw material: Comparison of existing and proposed (which are going for expansion)
- ix) Solid waste: Comparison of existing and proposed (which are going for expansion)
- x) Impact on surroundings
- xi) Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

Members of Sub-Committee:

1. Sri Vijaya Laxmi
2. Sri Krishna Reddy.

<b>Addl. Item No.01</b>	<b>M/s. DLF Home Developers Limited, Sy. No. 217 (P), 218, 219, 220, 221,222, 223, 224, 225 of Narsingi (V) &amp; 263, 264, 265, 266, 267(P) of Puppalguda (V), Rajendranagar (M), Rangareddy Dist.– Complaint filed by Sri Anumula Revanth Reddy, Member of Parliament, Malkajgiri – Reg.</b>
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The SEIAA vide Ir.dt.13.07.2020 forwarded complaints received from Sri Anumula Revanth Reddy, Member of Parliament, Malkajgiri against M/s. DLF Home Developers Limited, Sy. No. 217 (P), 218, 219, 220, 221,222, 223, 224, 225 of Narsingi (V) & 263, 264, 265, 266, 267(P) of Puppalguda (V), Rajendranagar (M), Rangareddy Dist. in the representations, it was requested to Cancel the Environmental Clearance issued to the project.

- In the above complaint, it was informed that M/s. DLF Home Developers Limited, has not intimated that a natural canal in Sy.no. 272 & 273 and Mushikin Cheruvu of Puppalguda (V) is passing from the project site. The proponent has not obtained NOC from the concerned authorities towards the diversion of the canal and closed down the channel violating the S.O.5733(E) dt.14.11.2018 issued by MoEF&CC, GoI. The proponent has suppressed the facts and hid the information while submitting documents for obtaining EC. It was also represented that the EC was obtained on M/s. DLF Home Developers Ltd., but the construction activity is carried out by M/s. My Homes without obtaining any name change or amendment from SEIAA/SEAC and not obtained any approved plans from the Competent Authorities (HMDA, DTCP).

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- It was also represented in the complaint that while according building permission to NNC Urbana Ventures by M/s. NJC Avenues Pvt. Ltd., in Sy.No.478(P), 479(P), 482(P), 483(P), 486(P) & 491, Manchirevula (V), Rajendranagar (M), Rangareddy District, the HMDA authorities has accorded building permission on the condition of compulsory construction of 9 mtr. width covered drain for free flow of natural rain / flood water which originates from Sy.No.272 & 273 of Mushikin Cheruvu of Puppalaguda (V) and the natural drain passes through My Home DLF Avatar. But, in respect of My Home DLF Avatar project this condition was conveniently relaxed by the concerned authorities to favour the said project.
- In representation dt.29.05.2020 by complainant, it was also informed that a petition in Hon'ble NGT in the matter of Dr. Lubna Sarwath v/s State of Telangana – OA No.72/2020 (SZ), the tribunal has constituted a joint committee to submit the report on the encroachment of Narsingi Lake 2 & Mushikin cheruvu and their hydrology. In this regard it was represented that M/s. My Home DLF Avatar has violated the Environmental norms & G.O.Ms.No.111.

Hence, the SEIAA decided to refer the issue to SEAC for ascertaining the facts w.r.t. the issues raised in the complaint and to submit a report.

The SEAC noted the decision of the SEIAA and after detailed discussions, decided to constitute a Sub-Committee with following members to inspect the site, verify records and submit factual report on present status of the project and issues raised by Sri Anumula Revanth Reddy, Member of Parliament, Malkajgiri in the above mentioned compliant:

Members of Sub-Committee:

1. Vijaya Laxmi
2. Manturi
3. Krishna Reddy.

**CHAIRMAN, SEAC**

