MINUTES OF THE 68th MEETING OF STATE EXPERT APPRAISAL COMMITTEE, (SEAC), TELANGANA STATE HELD ON 23.05.2020, 10:30 A.M.

MINUTES OF THE 68th MEETING OF STATE EXPERT APPRISAL COMMITTEE (SEAC) HELD ON 23.05.2020 AT TSPCB, PARYAVARAN BHAVAN, A-3, I.E., SANATHNAGAR, HYDERABAD.

The following members were present:

S. No.	Name of the Expert	Position
1.	Prof.Ch.Krishna Reddy, H.No: 2-2-20/L/7, #401. Golden towers – II, Raja Rajeshwari BLPG, D.D. Colony, Hyderabad. Ph: 9866629265	Chairman.
2.	Dr.(Ms)Thatiparthi Vijayalakshmi Plot No.110, Siddartha Nagar, S.R. Nagar Post, Hyderabad-500038. Ph: 9440896661	Member
3.	Shri Suresh, B-106, Vertex prime, Nizampet Road, Kukatpalli, Hyderabad. Ph: 9177037785	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 6th 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
7.	Dr.P.Radha Krishna, H.No. 9/40, Bahar 'B', Sahara States, Mansoorabad, LB Nagar, Hyderabad-500068 Ph:9848555242	Member

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

Minutes of the SEAC Meeting held on 23.05.2020

DECLARATION

It is hereby declared that the Chairman and members of SEAC, T.S., do not have conflict of interest with any project proponent pertaining to the items discussed in the SEAC meeting held on 23.05.2020.

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

Agenda Item No. 01	**M/s. Divis Laboratories Limited (Unit – 1) Sy.No. 238, 247 to 250, 260 to 279, 289 to 293 & 302 of Lingojigudam (V), and 505 & 506 of Aregudem (Hamlet of Pantagi (V)), Choutuppal (M), Yadadri Bhuvanagiri Dist - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/152244/2020 (EC)**

The representative of the project proponent Sri D.V. Prasad Rao & Sri G.K. Subba Rao; and Sri V. Vijay Kumar of M/s. Ramky Enviro Services Private Limited, attended and made a presentation before the SEAC.

Earlier, the industry submitted application for expansion of the project and the proposal was placed in the SEAC meeting held on 28.10.2019 constituted a sub-committee with the following members to inspect the unit and submit a report. Accordingly, the Sub-Committee inspected the unit on 16.12.2019 and submitted the report. Subsequently, the SEIAA issued TORs on 07.02.2020 for preparation of EIA report.

Members of Sub-Committee:
1. Sri Ch. Krishna Reddy
2. Sri K. Shiva Kumar
3. Sri P. Radha Krishna

Now, the proponent again submitted EC application for proposed expansion keeping in view of the S.O.1223 (E), dt.27.03.2020. The SEAC considered the same report of the Sub-Committee constituted earlier for the present expansion project.

The SEAC noted that proponent obtained EC vide order dt. 09.01.1996 from the MoE&F, GoI. The proponent obtained Amendment to EC order for change in product mix vide order dt.10.06.2008 from the MoE&F, GoI. Subsequently, the SEIAA issued EC vide order dt.03.02.2017 for Expansion and also issued Amendemnt to EC vide order dt.03.08.2017. The proponent has also submitted certified compliance report dt. 27.04.2020 issued by the TSPCB as per O.M. dt.30.05.2012 & 07.09.2017 of MoE&F, GoI.

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

Total area is 205.31 Ha. (Ac. 507.32), out of which Green area is 99.82 Ha (48.6%).

Nearest human habitation is Lingojigudem @ 2.0 km; Nearest water body is Ityala Cheruvu @ 2.8 km; Choutuppal RF @ 3.2 km.

Project Cost after proposed expansion is Rs.1279.36 Crores. Budget for Environmental protection towards Capital Cost is Rs. 15950 Lakhs and Recurring Cost is Rs. 1595 Lakhs/annum. Budget for CER is Rs. 448 Lakhs for 5 years.

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

Products:

S. No	Name of products	Quantity (TPA)
1	Naproxen	1008
2	Dextromethorphan HBr	372
3	Iopamidol	180
4	Nabumetone	200
5	Valacyclovir.HCl	100
6	Levetiracetam	960
7	A – Wing	25
8	B – Wing	25
9	Proguanil HCl	8.0
10	Sulphazine	5.0
11	Quetiapine	5.0

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12	Atovaquone	24
13	Carvedilol	4.0
14	Marcoumar	2.0
15	N-Hydroxy Succinimide	15
16	Niacin	100
17	Free Amine Pivalate Ester	75.6
18	Methoxy Morphinan HCl	0
19	Fosphenytoin Sodium	0.5
20	Diltiazem HCl	60
21	Thiol Acid	0
22	R-amine	1.0
23	Apocarotenal	5.0
24	EF-9	0.5
25	2-CL-3, 4-Pmboxy-Benzamide	0
26	N-Boc-Ethylenediamine	8.0
27	Fumaraldehyde Bis (Dimethyl acetal)	120
28	CME	50
29	Bromo OTBN	900
30	ISIO-II	4.2
31	Lamotrigine	0
32	Iohexol	0
33	Iopromide	300
34	Nicotine	20
35	Dolutegravir	10
36	Rivaroxaban	30
37	DL-Naproxen	1200
38	Hydroxy Chloroquine Sulphate	300
39	Remdesvir	100
40	Favipiravir	100
--	R&D Products (10)	36.5
Total Production		**6354.3**

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

S.No.	Utility	Stack Height (mt)	APCE
1	**Boilers (Coal fired):** 1 x 24 TPH 1 x 16 TPH 1 x 24 TPH (Standby)	 40 m 40 m 40 m	 ESP Bag Filter ESP
2	**Boilers (Oil fired):** 2 x 4 TPH	30 m	--
3	**Thermic Fluid Heater** 6 x 4 lakh K.Cal/hr.	30 m	--
4	**Incinerator (Diesel Fired)** 1 x 9 TPH	40 m	Multicyclone & Venturi Scrubber
3	**DG Sets:** 11 x 1500 KVA (Existing 1 x 1500 KVA + Proposed 10 x 1500 KVA) 5 x 1250 KVA 1 x 750 KVA 1 x 625 KVA 2 x 320 KVA	Adequate Height	Acoustic Enclosure

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

Details of Water requirement after proposed expansion:

S.No	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process Floor & reactor washings	644	350	994
3	Boiler	1200	-	1200
4	Cooling tower	-	1500	1500
5	DM/Softener	150	-	150
6	Incinerator scrubbing	-	20	20
7	Canteen / Domestic	550	-	550
8	Greenbelt	600	-	600
Total		**3144**	**1870**	**5014**

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process & Washings	619	705	1324	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	Boiler blow down	--	40	40	
3	Cooling bleed of	--	800	800	
4	Incinerator Scrubber	20	--	20	
5	DM/ Softener regeneration	--	150	150	
6	Domestic	--	512	512	Treated in STP and Outlet of STP to be connected to Biological ETP.
Total :		**639**	**2207**	**2846**	

Details of Solid Waste after expansion:

S. No	Description	Quatity	Mode of Disposal
1	Process residues (Organic Residue)	38485.5 Kg/day	Shall be disposed to Cement units for Co-processing / AFRF facilities of M/s: GEPIL Infrastructure Pvt.Ltd., Rakamcherla, Pudur (M), Rangareddy Dist (or) M/s: TSDF, Dundigal for pre-processing to be sent to Cement units for Co-processing / TSDF Dundigal for incineration.
2	Solvent Residue (Distillation bottom residue)		
3	Spent carbon	1033.8 Kg/day	
4	Spent solvents	285 KLD	Solvents shall be recovered to the maximum extent possible and shall be reused. The Spent Solvents which cannot be reused shall be disposed to the End Users / Authorized Cement manufacturing units for Co-processing / AFRF facilities of M/s: GEPIL Infrastructure Pvt.Ltd., Rakamcherla, Pudur (M), Rangareddy Dist (or) M/s: TSDF, Dundigal for pre-processing to be sent to Cement units for Co-processing / TSDF Dundigal for incineration.
5	Mixed spent solvents	241 KLD	

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S. No	Description	Quatity	Mode of Disposal
6	Forced Evaporation salts	75753.7 Kg/day	TSDF for landfill / Authorized Vendors.
7	ETP sludge	4500 Kg/day	
8	Incineration ash	9.0 Kg/day	
9	Sodium chloride	108.4 Kg/day	Disposed to authorized recovery units / TSDF, Dundigal for land filling.
10	Spent catalyst	142.08 Kg/day	Shall be disposed to TSDF / returned to supplier for recovery.
11	Spent acids	24 KLD	Shall be recovered and recycled within industry / disposed to the End users / Authorized units.
12	Used oil / Waste lubricating oil	35 Ltrs/day	Shall be disposed to the authorized Re-processors / recyclers.
13	Detoxified containers & liners of HW & Haz. Chemicals • MS drums • HDPE drums • Carboys • Container liners	 125 Nos/day 76 Nos/day 212 Nos/day 119 Nos/day	After complete detoxification sent back to suppliers / Disposed to outside parties.
14	E-Waste	4.0 Kg/day	Shall be disposed to authorized Re-processors / Recyclers.
15	Spillage / Rejected material	20.0 Kg/day	Onsite incineration / Authorized cement manufacturing units for Co-processing / TSDF, Dundigal for incineration.
16	Waste Insulation / Glass Wool	320 Kg/day	Shall be disposed to authorized Re-processors / TSDF.
17	Used lead acid batteries	20.0 Kg/day	Disposed to manufacturers / dealers on buy back basis.

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

Agenda Item No. 02	**4.046 Ha. Specified Sand Bearing Area of (Manjeera River) Mandarna Sand Reach, Mandarna Village, Bodhan Mandal, Nizamabad District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/150097/2020 (EC)**

The representative of the project proponent B. Satyanarayana; and Sri M. Venkatesh of M/s. Global Enviro Labs Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

It is noted that the mine lease area is 4.046 Ha. which is less than 5.0 Ha. The project is considered under B2 Category as per provisions laid under EIA Notification, 2006 & its subsequent amendments and orders of the Hon'ble NGT. The proponent submitted application along with Scrutinized /Approved Mining Plan & EMP Report.

The proponent informed that the coordinates of proposed sand reach are as following:

Latitude	Longitude
18° 41' 51.10" N	77° 45' 44.80" E
18° 41' 51.70" N	77° 45' 45.00" E
18° 41' 49.80" N	77° 45' 40.20" E
18° 41' 52.60" N	77° 45' 39.60" E
18° 41' 57.50" N	77° 45' 38.00" E
18° 41' 54.60" N	77° 45' 34.50" E
18° 41' 48.00" N	77° 45' 35.70" E

The proponent informed that the minimum thickness of sand deposited in the proposed sand reach is reported as 4.8 m as per Joint Inspection Report. The depth of proposed sand extraction is 1.0 m.

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It is proposed to mine 28,700 m^3/annum of Ordinary Sand by manual open excavation method from the Manjeera River bed. It was informed that they have already excavated 11,760 m^3 in the Sand reach as per the EC order dt. 03.02.2018 issued by the DEIAA, Niuzamabad for extracting 37,829 m3/annum of sand. Now, it is proposed to excavate Sand of quantity 28,700 m^3 from the sand reach.

The nearest village to the proposed site is Mandarna (V) which exists at a distance of 1.5 km from the boundary of the site.

The proponent proposed the following measures towards control of Air Pollution:

a. Regular spraying of water by water sprinkling system.
b. Timely maintenance of vehicles to minimize air pollution due to movement of vehicles.
c. Dust masks for employees.
d. Covering the sand carrying vehicles with tarpaulin covers.
e. Plantation of trees along the roads to reduce the impact of dust in the nearby villages.

The source of water requirement for the proposed project is from nearby villages. Total water requirement is 4.0 KLD. Out of that, 2.0 KLD is used for dust suppression, 1.0 KLD is used for greenbelt development along the road sides and 1.0 KLD for domestic purpose. Wastewater generated from the domestic section is to be disposed into septic tank followed by soak pit.

The total cost of the project is Rs. 1.722 Crores. The proponent is proposing budget for Environmental protection towards capital cost: Rs. 1.45 lakhs and recurring cost: Rs. 0.75 Lakhs/annum.

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

Agenda Item No. 03	**3.739 Ha. of Specified Sand Bearing Area of (Manjeera River) Siddapur Sand Reach, Siddapur Village, Bodhan Mandal, Nizamabad District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/150078/2020 (EC)**

The representative of the project proponent B. Satyanarayana; and Sri M. Venkatesh of M/s. Global Enviro Labs Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

It is noted that the mine lease area is 3.739 Ha. which is less than 5.0 Ha. The project is considered under B2 Category as per provisions laid under EIA Notification, 2006 & its subsequent amendments and orders of the Hon'ble NGT. The proponent submitted application along with Scrutinized /Approved Mining Plan & EMP Report.

The proponent informed that the coordinates of proposed sand reach are as following:

Latitude	Longitude
18° 46' 12.90" N	77° 50' 00.20" E
18° 46' 12.40" N	77° 49' 53.40" E
18° 46' 06.90" N	77° 49' 57.90" E
18° 46' 05.40" N	77° 49' 52.20" E

The proponent informed that the minimum thickness of sand deposited in the proposed sand reach is reported as 4.1 m as per Joint Inspection Report. The depth of proposed sand extraction is 1.0 m.

It is proposed to mine 17,607 m^3/annum of Ordinary Sand by manual open excavation method from the Manjeera River bed. It was informed that they have already excavated 19,578 m^3 in the Sand reach as per the EC order dt. 03.02.2018 issued by the DEIAA, Nizamabad for extracting 31,530 m3/annum of sand. Now, it is proposed to excavate Sand of quantity 17,607 m^3 from the sand reach.

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The nearest village to the proposed site is Siddapur (V) which exists at a distance of 1.4 km from the boundary of the site.

The proponent proposed the following measures towards control of Air Pollution:
a. Regular spraying of water by water sprinkling system.
b. Timely maintenance of vehicles to minimize air pollution due to movement of vehicles.
c. Dust masks for employees.
d. Covering the sand carrying vehicles with tarpaulin covers.
e. Plantation of trees along the roads to reduce the impact of dust in the nearby villages.

The source of water requirement for the proposed project is from nearby villages. Total water requirement is 4.0 KLD. Out of that, 2.0 KLD is used for dust suppression, 1.0 KLD is used for greenbelt development along the road sides and 1.0 KLD for domestic purpose. Wastewater generated from the domestic section is to be disposed into septic tank followed by soak pit.

The total cost of the project is Rs. 1.056 Crores. The proponent is proposing budget for Environmental protection towards capital cost: Rs. 1.45 lakhs and recurring cost: Rs. 0.75 Lakhs/annum.

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

Agenda Item No. 04	**4.605 Ha. of Specified Sand Bearing Area of (Manjeera River) Sunkini Sand Reach, Sunkini Village, Kotagiri Mandal, Nizamabad District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/150044/2020 (EC)**

The representative of the project proponent B. Satyanarayana; and Sri M. Venkatesh of M/s. Global Enviro Labs Pvt. Ltd., Hyderabad attended and made a presentation before the SEAC.

It is noted that the mine lease area is 4.605 Ha. which is less than 5.0 Ha. The project is considered under B2 Category as per provisions laid under EIA Notification, 2006 & its subsequent amendments and orders of the Hon'ble NGT. The proponent submitted application along with Scrutinized /Approved Mining Plan & EMP Report.

The proponent informed that the coordinates of proposed sand reach are as following:

Latitude	Longitude
18° 37' 19.38" N	77° 44' 53.68" E
18° 37' 13.06 " N	77° 44' 55.15" E
18° 37' 19.69" N	77° 44' 47.77" E
18° 37' 12.18 " N	77° 44' 44.80" E

The proponent informed that the minimum thickness of sand deposited in the proposed sand reach is reported as 4.1 m as per Joint Inspection Report. The depth of proposed sand extraction is 1.0 m.

It is proposed to mine 16,474 m^3/annum of Ordinary Sand by manual open excavation method from the Manjeera River bed. It was informed that they have already excavated 21,239 m^3 in the Sand reach as per the EC order dt. 03.02.2018 issued by the DEIAA, Nizamabad for extracting 22,113 m3/annum of sand. Now, it is proposed to excavate Sand of quantity 16,474 m^3 from the sand reach.

The nearest village to the proposed site is Sunkini (V) which exists at a distance of 0.6 km from the boundary of the site.

The proponent proposed the following measures towards control of Air Pollution:
a. Regular spraying of water by water sprinkling system.
b. Timely maintenance of vehicles to minimize air pollution due to movement of vehicles.
c. Dust masks for employees.

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d. Covering the sand carrying vehicles with tarpaulin covers.
e. Plantation of trees along the roads to reduce the impact of dust in the nearby villages.

The source of water requirement for the proposed project is from nearby villages. Total water requirement is 4.0 KLD. Out of that, 2.0 KLD is used for dust suppression, 1.0 KLD is used for greenbelt development along the road sides and 1.0 KLD for domestic purpose. Wastewater generated from the domestic section is to be disposed into septic tank followed by soak pit.

The total cost of the project is Rs. 98.84 Lakhs. The proponent is proposing budget for Environmental protection towards capital cost: Rs. 1.45 lakhs and recurring cost: Rs. 0.75 Lakhs/annum.

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

Agenda Item No. 05	**4.74 Ha. Subbampeta-2 Sand Reach of M/s. Telangana State Mineral Development Corporation Limited, Subbampeta Village, Cherla Mandal, Bhadradri Kothagudem District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/149228/2020 (EC)**

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

It is noted that the mine lease area is 4.74 Ha. which is less than 5.0 Ha. The project is considered under B2 Category as per provisions laid under EIA Notification, 2006 & its subsequent amendments and orders of the Hon'ble NGT. The proponent submitted application along with Scrutinized /Approved Mining Plan & EMP Report.

The proponent informed that the coordinates of proposed sand reach are as following:

Latitude	Longitude
18° 05.00' 17.90" N	80° 45' 21.39" E
18° 05.00' 25.00" N	80° 45' 13.05" E
18° 05.00' 21.95" N	80° 45' 09.04" E
18° 05.00' 15.13" N	80° 45' 17.18" E

The proponent informed that the thickness of sand deposited in the proposed sand reach is reported as 8.3 – 9.0 m as per Joint Inspection Report. The depth of proposed sand extraction is 2.0 m.

It is proposed to mine 47,400 m^3/annum of Ordinary Sand by manual open excavation method from Godavari River bed.

The nearest village to the proposed site is Ontichintalagudem (V) which exists at a distance of 0.8 km and Subbampeta RF exists at distance of 1.2 km from the boundary of the site.

The proponent proposed the following measures towards control of Air Pollution:
a. Regular spraying of water by water sprinkling system.
b. Timely maintenance of vehicles to minimize air pollution due to movement of vehicles.
c. Dust masks for employees.
d. Covering the sand carrying vehicles with tarpaulin covers.
e. Plantation of trees along the roads to reduce the impact of dust in the nearby villages.

The source of water requirement for the proposed project is from nearby villages. Total water requirement is 4.0 KLD. Out of that, 2.0 KLD is used for dust suppression, and 2.0 KLD for domestic purpose. Wastewater generated from the domestic section is to be disposed into septic tank followed by soak pit.

The total cost of the project is Rs. 16.0 Lakhs. The proponent is proposing budget for Environmental protection is Rs. 2.2 lakhs.

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After detailed discussions, the SEAC recommended for issue of EC with the following specific conditions:

- The proponent shall not extract the sand beyond 2 mts depth.
- The proponent shall not extract the sand beyond the permitted production capacity of 47,400 m^3/anumm, as committed.

Agenda Item No. 06	**4.88 Ha. Subbampeta-1 Sand Reach of M/s. Telangana State Mineral Development Corporation Limited, Godavari River, Subbampeta Village, Cherla Mandal, Bhadradri Kothagudem District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/149144/2020 (EC)**

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

It is noted that the mine lease area is 4.88 Ha. which is less than 5.0 Ha. The project is considered under B2 Category as per provisions laid under EIA Notification, 2006 & its subsequent amendments and orders of the Hon'ble NGT. The proponent submitted application along with Scrutinized /Approved Mining Plan & EMP Report.

The proponent informed that the coordinates of proposed sand reach are as following:

Latitude	Longitude
18° 05.00' 40.00" N	80° 45' 33.26" E
18° 04.00' 55.70" N	80° 45' 39.69" E
18° 04.00' 52.38" N	80° 45' 36.00" E
18° 04.00' 59.64" N	80° 45' 28.93" E

The proponent informed that the thickness of sand deposited in the proposed sand reach is reported as 8.2 – 9.0 m as per Joint Inspection Report. The depth of proposed sand extraction is 2.0 m.

It is proposed to mine 48,800 m^3/annum of Ordinary Sand by manual open excavation method from the Godavari River bed.

The nearest village to the proposed site is Ontichintalagudem (V) which exists at a distance of 1.2 km and Subbampeta RF exists at distance of 2.8 km from the boundary of the site.

The proponent proposed the following measures towards control of Air Pollution:

a. Regular spraying of water by water sprinkling system.
b. Timely maintenance of vehicles to minimize air pollution due to movement of vehicles.
c. Dust masks for employees.
d. Covering the sand carrying vehicles with tarpaulin covers.
e. Plantation of trees along the roads to reduce the impact of dust in the nearby villages.

The source of water requirement for the proposed project is from nearby villages. Total water requirement is 4.0 KLD. Out of that, 2.0 KLD is used for dust suppression, and 2.0 KLD for domestic purpose. Wastewater generated from the domestic section is to be disposed into septic tank followed by soak pit.

The total cost of the project is Rs. 18.0 Lakhs. The proponent is proposing budget for Environmental protection is Rs. 2.4 lakhs.

After detailed discussions, the SEAC recommended for issue of EC with the following specific conditions:

- The proponent shall not extract the sand beyond 2 mts depth.
- The proponent shall not extract the sand beyond the permitted production capacity of 48,800 m^3/anumm, as committed.

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Agenda Item No. 07	**M/s. Chemie Life Sciences Private Limited, Sy No. 238 & 239, Dothigudem Village, Pochampally Mandal, Yadadri District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/152408/2020 (EC)**

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

The proponent informed that the existing unit was manufacturing Drug Intermediates since 2002 and hence, there is no EC.

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 48,886.06 Sq.m. out of which Green area is 16,996.8 (34.7%).

Nearest human habitation is Anthamagudem (V) @ 1.14 km; Nearest water body is Mehar Nagar Tank @ 4.9 km; Nearest RF is Malkapuram RF @ 2.67 km.

Project Cost for proposed expansion is Rs.9.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 150.0 lakhs and Recurring Cost is Rs. 42.8 Lakhs/annum.

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

Products:

S.No	Product Name	Capacity (TPM)
1	Bupropion hydrochloride	3
2	Clopidogrel Bisulphate	1
3	Hydroxychloroquine	4
4	Losartan Potassium	3
5	Telmisartan	3
6	Olmesartan Medoximal	1
7	Quetiapine Hemifumarate	7.5
8	Tenofovir	4.5
9	Darunavir Ethanolate	3
10	Fenofibrate	5
11	Valsartan	3
12	Lopinavir	0.5
13	4,7-Dichloro quinoline (Hydroxy chloroquine intermediate)	1.5
14	Hydroxynovaldiamine (5-(N-ethyl-N-2- hydroxyethylamino)-2-pentylamine)	4
15	Lopinavir intermediate(3-Methyl-2-(2-oxo-tetrahydro - pyrimidin-1-yl)-butyric acid)	4
16	4-O-Methyl-3,5-Dimethyl-1-Chloro Methyl-Pyridine, Hydrochloride (Omeprazole Inter)	2
17	2-Methyl-4-10H-Thino(2-3-6) (1,5)Benzodiazepine [Olanzepine(Inter)]	0.5
18	SYN.CSA	30
19	Rec CSA	20
20	4-[(2-trityl tetrazole-5yl) phenyl] benzyl bromide(TTBB)	15
21	TEA. HCl	20
22	2-Butyl-5-Chloro-5-Formyl Imidazole(BCFI)	5

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S.No	Product Name	Capacity (TPM)
23	Bibenzimidazole(2n-Propyl-4-methyl-6-(1-methyl benzimidizole-2-yl) benzimidazole)	5
24	N-(2,6-dimethylphenyl)-2-(piperazin-1-yl) acetamide(Ranolazine Intermediate)	3
25	OTBA Methyl ester	5
26	N - Propyl Benzimidazole Carboxylic acid	2
27	IF n sulphamyl 3- chloro propionamidine HCl	10
28	2,3-Dichloro benzoyl cyanide (DCBOC)	0.2
29	Dibenzo-[b,f] [1,4] thiazepine-11 [10H]- one(DBTO)	5
30	Tri fluoro methyl di sulphamyle aniline (TFDSA)	0.9
31	Methyl Isobutyryl Acetate	20
32	Piperaquine	0.3
33	(R)-(1-(6-amino-7H-puri-7-yl)propan-2 yloxy)methylphosphonic acid(PMPA)	3
34	Tributyl Tin Chloride	35
35	Trityl Chloride	60
36	(3R)-3-(carbamoylmethyl)-5-methylhexanoic acid (+)-phenylethylamine (Pregabalin Inter)	2
37	Trityl losartan	1.5
38	Di Ketone	2
39	6-Methoxy-8-Nitro Quinoline	0.5
40	1-(4-benzyloxy-3-hydroxymethyl phenyl)-2-(tert butyl amino)-ethanol (Salbutamol Inter)	2
41	Cyclo Propane-1,1-Di Carboxylic Acid	2
42	R & D products	0.03
	Total	**300.0**

By-products:

S.No.	By products	Capacity (TPM)
1	Sodium acetate	0.32
2	Phosphoric acid	1.76
3	Ethyl bromide	2.31
4	Ammonium acetate	2.98
	Total	**7.38**

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

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Existing: 1 x 4.5 TPH Proposed: 1 x 6.0 TPH	 30 m 30 m	 Bag filter Bag filter
2	**Thermic fluid Heater** Existing: 1 x 2 Lakh K.cal/hr Proposed:1 x 5 Lakh K.cal/hr	 10 m 10 m	 --
3	**DG Sets:** Existing : 1 x 120 kVA Proposed: 1 x360 kVA 1 x 500 kVA	Adequate stack height	Acoustic enclosure

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

CHAIRMAN, SEAC

Details of Water requirement after expansion:

S. No.	Water required for	Quantity (KLD)
1	Process	37.7
2	Washings	3.0
3	Scrubber	2.0
4	Boiler Feed	85.0
5	Cooling Tower	220.0
6	DM Plant	2.0
7	Domestic	10.0
8	Gardening	40.0
	Total	**399.7**

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

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	46.1	--	46.1	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	3.0	--	3.0	
3	Boiler blow down	--	8.5	8.5	
4	Cooling bleed of	--	11.0	11.0	
5	Scrubber	2.0		2.0	
6	DM Plant	--	2.0	2.0	
7	Domestic	--	8.0	8.0	
Total :		**51.1**	**29.5**	**80.6**	

Details of Solid Waste after expansion:

S.No	Description	Quantity(TPD)	Mode of Disposal
1	MEE salts	4.57 TPD	Sent to TSDF, Dundigal for secured land fill/ cement industries for co-processing
2	ETP Sludge	3.0 TPD	
3	Inorganic residue	1.59 TPD	
4	Distillation bottom residue	5.04 TPD	Sent to Cement plant for Co-processing/AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla/ M/s. TSDF Dundigal for pre processing to be sent to Cement units for co-processing/ TSDF Dundigal for incineration.
5	Process/ organic Residue	6.42 TPD	
6	Spent Carbon	0.29 TPD	
7	Stripper waste	2.9 TPD	
8	Ash from boilers	9.0 TPD	Sold to brick manufacturers
9	Waste /Used Oil	3500 LPA	Authorized Recyclers/ Re-processors
10	Spent Mixed solvents	20.0 TPD	End users/Authorized cement manufacturing units for co-processing/ AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla, Pudur (M), Rangareddy (D)/ TSDF Dundigal for pre processing to be sent to Cement units for co-processing/ TSDF Dundigal for incineration.
11	Spent solvents	45.9 TPD	Recovery and reuse within plant premises

CHAIRMAN, SEAC

S.No	Description	Quantity(TPD)	Mode of Disposal
12	Used batteries	15 No.s /Annum	Sent to Authorized Recyclers
13	container & containcr liners of hazardous waste & chemicals	500 No.s/ Month	After detoxification, disposcd to outside agencies
14	LDPE bags	600 Kgs/month	Authorized Recyclers
15	Insulation waste	500Kgs/Annum	TSDF Dundigal for secured landfill or authorized recyclers
16	Glass bottles and broken glass ware	100 Nos /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) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
xiii) Greenbelt development

Members of Sub-Committee:
1. Sri Vijaya Lakshmi
2. Sri Pandu Reddy
Krishna Reddy

Agenda Item No. 08	**M/s. Vivin Drugs and Pharmaceuticals Limited, Sy. No.10 & 10 D, Gaddapotharam (V), Jinnaram (M) Sangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/153367/2020 (EC)**

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

Earlier, the SEAC noted the following:

- M/s. Vivin Drugs & Pharmaceuticals Ltd., (formerly known as M/s. Eytan abs Ltd.,) they have purchased the following 2 units which are located adjacent:
  - M/s. Matrix Laboratories Ltd., Unit-6 Sy.No.10/A, IDA Gaddapotharam, Jinnaram (M), Sangareddy District is having an EC bearing No. J-11011/141/2005-IA II(I) dt.07.07.2005.
  - M/s. Biotech Pharma Ltd., Sy.No.10, IDA Gaddapotharam, Jinnaram (M), Sangareddy District being an intermediate manufacturing company established prior to September 2006).
- After complete renovation they have obtained renewal of Consents vide Orders dt. 28.07.2012 with a name change ie., M/s. Eytan Labs Ltd.

CHAIRMAN, SEAC

- To meet their market demand and business expansion they had submitted their expansion proposal to SEIAA, Telangana State for issue of EC.

- During October 2015, Dr. T. Karuppaiah, Scientist-C, MoEF&CC, Regional Office (South Eastern Zone), Chennai has inspected their project and issued compliance report on existing EC vide No.F.No.EP/12.1/2015-16/15/TE/1749 dt.07.09.2016 in which a Non-Compliance was mentioned as below:

  "No expansion activity was carried out by the unit, it was observed that as per EC, permission was accorded for manufacturing of only one product namely Ciprofloxacin HCL (60 TPA), where as in the present CFO permission was accorded for manufacturing 3 groups comprising of 4 products in each group with the restriction to manufacture One group of products. (315 kg/day) in a time, which is two times higher than the permitted quantity of EC and thus change in the scope has been observed. Permitted quantity in the EC and CFO are not in consistent."

- Keeping in view of the above Certified Complaince report, the proposal was considered by the MoEF&CC, New Delhi and subsequently by the SEIAA as a violation case as per S.O.804 (E) dt.14.03.2017. But,

- Aggrieved by orders of the MoEF&CC, GoI, the proponent approached the Hon'ble NGT, New Delhi in Appeal No.111 of 2018. The Hon'ble NGT disposed the Appeal vide order dt.11.07.2018 and issued following order:

  "This appeal has been preferred against the lr.dt.08.062018 addressed by the Government of India to the Environment Secretary of the Staste of Telangana directing action to be taken for production in the industry without taking Evnironment Clearance. According to the Appellant the Environment Clearance already exists and the State Authority must hear the applicant before taking any punitive action. Needless to say it is open to the applicant / appellant to move the Respondent No.3 the Telangana State Pollution Control Board and if the appellant makes such a request, the said control Board shall proceed with in accordance with law after considering the objections of the Appellant".

- Accordingly, the proponent informed that they have approached the TSPCB for revision of consent orders as per previous EC.

- The proponent informed that the State Pollution Control Board has revised our consent orders as per previous EC and now we came out from violation category. The proponent subsequently withdrawn the EC application earlier.

Now, the proponent again submitted the proposal for expansion keeping in view of the S.O.1223 (E), dt.27.03.2020. Accordingly, 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 G.O.Ms. No. 95, dt. 21.09.2007 of the EFS&T Dept., GoAP; G.O.Ms. No. 64, dt. 25.07.2013 & G.O.Ms. No. 24, dt.24.04.2019. of the EFS&T Dept., GoAP.

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

Total area is Ac.13.0 out of which Green area is Ac.4.3 (33%).

Nearest human habitation is Gaddapotharam (V) @ 0.65 km; Nearest water body is near Gaddaportharam @ 0.26 km; Nearest RF is Kistaipally RF @ 0.48 km.

Project Cost for proposed expansion is Rs.50.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 300.0 Lakhs and Recurring Cost is Rs. 73.0 Lakhs/annum.

CHAIRMAN, SEAC

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

Products:

S.No	Product Name	Capacity (Kgs/Day)	Capacity (TPM)
1	Apixaban	333.33	10.0
2	(2R, 5S)-(1R, 2S, 5R)-2-isopropyl-5-methylcyclohexyl 5-(4-amino-2-oxopyrimidin-1(2H)-yl)-1, 3-oxathiolane-2-carboxylate (CEI-II).	1666.67	50.0
3	Dabigatran etexilate mesylate	50.00	1.5
4	Daclatasvir Dihydrochloride	166.67	5.0
5	Darunavir Amorphous	50.00	1.5
6	Dolutegravir Sodium	50.00	1.5
7	Emtricitabine	400.00	12.0
8	Etoricoxib	66.67	2.0
9	Etravirine	50.00	1.5
10	Ezetimibe	233.33	7.0
11	(2R,5S)-5-(4-amino-5-fluoro-2-oxo-2H-Pyrimidine-1-yl)-{1,3}oxathiolane-2-Carboxylic acid, 2S-isopropyl-5R-methyl-1-R-cyclohexylester (FCE).	500.00	15.0
12	Lamivudine	333.33	10.0
13	Ledipsavir	66.67	2.0
14	Linagliptin	66.67	2.0
15	Levetiracetam	266.67	8.0
16	Nadolol	166.67	5.0
17	Sitagliptin Phosphate Monohydrate	66.67	2.0
18	Teneligliptin Hydro Bromide hydrate	33.33	1.0
19	Tenofovir Diisoproxil fumarate	333.33	10.0
20	Vigabatrin	66.67	2.0
21	Vildagliptin	66.67	2.0
22	Lopinavir	166.67	5.0
23	Ritonavir	166.67	5.0
24	Remdesivir	66.67	2.0
	Total	**5433.33**	**163.0**
	By products		
1	1,1,3,3,3- Hexamethyl disiloxane (HMDO)	2085.00	62.55
	Total	**2085.00**	**62.55**

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

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal Fired Boilers:** Existing: 1 x 3 TPH Proposed: 1 x 5 TPH 1 x 6 TPH	 30 m 30 m 30 m	 Bag Filter Bag Filter Bag Filter
2	**Diesel fired Thermic fluid Heaters** 1 x 4 Lakh K.cal/hr 1 x 2 Lakh K.cal/hr	 10 m 10 m	----
2	**DG Sets:** Existing : 1 x 380 kVA 1 x 300 kVA Proposed: 3 x 1010 kVA	Adequate height	Acoustic enclosures

CHAIRMAN, SEAC

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

Details of Water requirement after expansion:

S. No.	Water required for	After expansion (KLD)
1	Process	67.5
2	Washings	10.0
3	Scrubber	7.0
4	Cooling Tower	75.0
5	Boiler Feed	80.0
6	DM / Softener	4.0
7	Domestic	10.0
8	Green belt	10.0
	Total	**263.5**

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

S. No	Description	Quantity KLD	Mode of Disposal
1	Process	76.3	Stripper, MEE followed by ATFD (condensate to ETP & RO)
2	Washings	10.0	
3	Scrubber	7.5	
4	Cooling tower make up	7.5	Biological ETP & RO System (RO Rejects to MEE)
5	Boiler feed/make up	4.0	
6	DM/ softener	4.0	
7	Domestic	8.0	
Total		**117.3**	

Details of Solid Waste after expansion:

S. No	Description	Quantity	Mode of Disposal
1	MEE salts with 4 % Moisture	4.35 TPD	Sent to TSDF, Dundigal for secured land fill
2	ETP Sludge	0.2 TPD	
3	Inorganic residue	0.14 TPD	
4	Distillation bottom residue	0.39 TPD	Sent to Cement plant for Co-processing/AFRF Facilities of GEPIL Infrastructure Pvt. Ltd, Rakamcherla/ M/s. TSDF Dundigal.
5	Process/ organic Residue	2.52 TPD	
6	Spent Carbon	0.18 TPD	
7	Stripper waste	6.2 TPD	
8	Spent Solvents	15.0 KL/ Month	Authorized recyclers after distillation
9	Distillate from stripper	6.595 TPD	Authorised recyclers after distillation
10	Detoxified Containers and Container Liners	500 Nos/ month	Sale after detoxification
11	Used glass bottles from laboratories	50 Nos/ month	Recyclers after de-contamination
12	Used Oil/Waste Lubricating Oil	200 LPM	Disposal to Agencies authorized by pollution Control Board
13	Used Lead Acid Batteries	10 Nos/ month	Returned back to dealer/ Supplier
14	Boiler Fly Ash	2.6 TPD	Brick Manufacturers

CHAIRMAN, SEAC

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

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

Members of Sub-Committee:
1. Sri Sivakumar
2. Sri Vijaya Laxmi
Krishna Reddy

Agenda Item No. 09	**M/s. Corey Organics Private Limited, Kothur, Mahaboobnagar District- Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/45349/2017 (EC)**

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

The SEAC noted that earlier, TORs were issued on 26.04.2018 for the expansion project. Accordingly, the proponent submitted EIA report.

The proponent informed that the existing unit was manufacturing Drug Intermediates since 2002 and hence, there is no EC.

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

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

Total area is Ac. 10.98 out of which Green area is Ac.3.73 (33.9%).

Nearest human habitation is Anthareddygudem (V) @ 1.6 km; Nearest water body is near Kothur @ 1.23 km.

Project Cost for proposed expansion is Rs.9.9 Crores. Budget for Environmental protection towards Capital Cost is Rs. 200.0 Lakhs and Recurring Cost is Rs. 34.0 Lakhs/annum.

CHAIRMAN, SEAC

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

Products:

S.No	Product Name	Capacity Kgs/Day	Capacity (TPM)
	Group-A		
1	4-Nitro Benzenesulfonyl chloride	16.67	0.5
2	2,5 Di chloro pyridine	6.67	0.2
3	2-Chloro-6-Methyl-5-Nitro Pyridine	50.00	1.5
4	2-Chloro-6-Methoxy-3-Nitro Pyridine	16.67	0.5
5	2-Methoxy -5- Nitro Pyridine	8.33	0.25
6	2-Nitro -5-Bromo Pyridine	8.33	0.25
7	2-Nitro -5-Chloro Pyridine	8.33	0.25
8	2,6 Di Bromo Pyridine	8.33	0.25
9	7-Hydroxy-3,4 Dihydro Carbosyril (Aripiprazole)	16.67	0.5
10	D-Tryptophan methyl ester hydrochloride (Tadalafil)	33.33	1.0
11	Acetamidine HCl	3.33	0.1
12	Ethyl-6-Chloro Nicotinate	3.33	0.1
13	4-Methyl amino-3-Nitro benzoic acid (Dabigatran)	16.67	0.5
14	4-Cyano Phenyl Glycine (Dabigatran)	16.67	0.5
15	3-(((2-((4-Carbamimidoyl phenyl)amino)methyl-1H Benzimidazol-5yl)carbonyl)(Pyridine-2yl-amino) Propanoic acid beta alanine (Dabigatran)	6.67	0.2
16	2-Amino thiophenol	100.00	3.0
17	3-Methyl diphenylamine	33	0.99
18	2-Chloro-4-Methyl-3-Nitropyridine	13.3	0.39
19	5,6-Di chloro nicotinic acid	13.33	0.39
20	2-Hydroxy-5-Methyl pyridine	16.6	0.49
21	R& D products	1	0.03
	TOTAL GROUP-A	**397.2**	**11.92**
	Group-B		
1	5-Bromo-2-Chloro-3-Nitro Pyridine	20.00	0.6
2	2-Amino-3-Bromo-5-Iodo Pyridine	10.00	0.3
3	2-Bromo-5-Iodopyridine	16.67	0.5
4	3-Furoic acid	1.67	0.05
5	4-Methyl diphenyl amine	16.67	0.5
6	Pyridine-3-sulfonic acid	10.00	0.3
7	2-Fluoro-5-Iodo Pyridine	10.00	0.3
8	1-Hydroxy -7aza Benzotriazole (HOAT)	3.33	0.1
9	O-Benzotriazol-1yl-N,N,N,N-Tetramethyl uronium tetra Fluoro borate(TBTU)	3.33	0.1
10	O-Benzotriazol-1yl-N,N,N,N-Tetramethyl uronium tetra Fluoro Phosphate (HBTU)	3.33	0.1
11	9-Fluorenyl methoxy carbonyloxy amino acids(FMOC amino acids)	6.67	0.2
12	T-butyloxy carbonyl amino acids (BOC amino acids)	6.67	0.2
13	Benzyloxy cabonyl-amino acids	6.67	0.2
14	2,6-Dichloro-3-Nitropyridine	13.33	0.39
15	5-Bromo nicotinic acid	13.33	0.39
16	4-Acetyl pyridine	13.33	0.39
17	2-Hydroxy-5-Nitropyridine	13.33	0.39
18	3-Acetyl pyridine	100	3.00
19	R & D Products	1.00	0.03
	TOTAL GROUP- B	**269.32**	**8.08**
	Worst case scenario	**397.2**	**11.92**

CHAIRMAN, SEAC

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

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal Fired Boilers:** Existing: 1 x 1.5 TPH Proposed: 1 x 3 TPH	 30 m 30 m	Cyclone Separator
2	**DG Sets:** Existing: 1 x 125 kVA Proposed:1 x 250 kVA	Adequate height	Acoustic enclosure

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

Details of Water requirement after expansion:

S.No.	Description	Quantity (KLD)
1	Process	12.0
2	Washings	3.0
3	Scrubber	1.0
4	Cooling tower make up	20.0
5	Boiler feed/make up	30.0
6	DM/ softener	2.0
7	Domestic	4.5
8	Green belt	10.0
	Total	**82.5**

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

S. No	Effluent generated from	Quantity (KLD)	Treatment and Disposal
1	Process	12.8	Stripper, MEE and ATFD (Condensate to RO)
2	Washings	3.0	
3	Scrubber	1.0	
4	Cooling tower make up	2.0	ETP followed by RO (RO Reject to MEE)
5	Boiler feed/make up	1.5	
6	DM/ softener	2.0	
7	Domestic	4.0	
Total		**26.3**	

It is to establish combined treatment facilities in the project site of M/s. Corey Organics Pvt. Ltd., to treat the effluents from both the units i.e., M/s. Corey Organics Pvt. Ltd., & M/s. Sri Chavadi Pharma Pvt. Ltd., which are sister units located adjacent to each other under same Management. The details are as following:

S.No.	Description	Corey Organics Effluent (KLD	Sri Chavadi Pharma effluent (KLD)
1	Process	12.8	9.9
2	Washings	3.0	2.0
3	Scrubber	1.0	2.0
4	Boiler blow down	1.5	1.5
5	Cooling tower blow down	2.0	2.0
6	DM/ softener	2.0	2.0
7	Domestic	2.0	4.0
	Total	**26.3**	**23.4**

CHAIRMAN, SEAC

Details of Solid Waste after expansion:

S. No	Description of Waste	Quantity	Disposal Option
1	MEE Salts	449.5 Kgs/day	TSDF, HWMP, Dundigal/ GEPIL
2	Process Inorganic Salts	220.1 Kgs/day	
3	ETP Sludge	150.0 Kgs/day	
4	Distillation bottom residue	10.0 Kgs/day	Authorized cement plants for Co-Processing or TSDF Dundigal/ GEPIL
5	Process organic residues	128.3 Kgs/day	
6	Spent Carbon	10.0 Kgs/day	
7	Stripper waste	26.34 M3/day	Authorized Cement Industries
8	Spent Solvents	15.0 KL/ Month	Authorized recyclers after distillation
9	Distillate from stripper	6.595 TPD	Authorised recyclers after distillation
10	Detoxified Containers and Container Liners	500 Nos/month	Sale after detoxification
11	Used glass bottles from laboratories	50 Nos/month	Recyclers after de-contamination
12	Used Oil/Waste Lubricating Oil	200 LPM	Disposal to Agencies authorized by pollution Control Board
13	Used Lead Acid Batteries	10 Nos./annum	Returned back to dealer/ Supplier
14	Boiler Fly Ash	2.6 TPD	Brick Manufacturers

Earlier, the SEAC in its meeting held on 09.01.2018 constituted a sub-committee with the following members to inspect the unit and submit a report.

Members of Sub-Committee:
1. Sri Ch. Krishna Reddy
2. Sri P. Radha Krishna
3. Smt. T. Vijaya Lakshmi

But, the SEAC noted that the report from the sub-committee is not yet received. Hence, the SEAC decided to consider the proposal after submission of report by the Sub-Committee.

Agenda Item No. 10	**M/s Aurobindo Pharma Limited, Unit-V located at Plot Nos. 68 to 70, 73 to 91, 95, 96, 260 & 261, Industrial Area, Phase-II of IDA, Pashamailaram, Patancheru (M), Sangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/151934/2020 (EC)**

The representative of the project proponent Sri JVN Reddy; and Sri Thirumalesh of M/s. KKB Enviro Consultant, Hyderabad, attended and made a presentation before the SEAC.

Earlier, the industry submitted application for expansion of the project and the proposal was examined by the SEAC in its meeting held on 28.10.2019 constituted a sub-committee with the following members to inspect the unit and submit a report.

Members of Sub-Committee:
1. Sri Ch. Krishna Reddy
2. Sri P. Radha Krishna
3. Sri R.S. Mantri

Now, the proponent again submitted EC application for proposed expansion keeping in view of the S.O.1223 (E), dt.27.03.2020.

The SEAC noted the provisions of 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. The SEAC noted that the project is located in a notified Industrial Estate prior to 2006.

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.

CHAIRMAN, SEAC

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

Total area is 8.713 Ha., out of which Green area is 0.67 Ha. However, additional land of 5 Acres (2.02 Ha) and boundary surrounding (0.19 Ha) will be developed and maintained under Greenbelt and urban forestry. Hence total greenbelt aea is 2.88 Ha. i.e., 33.05%.

Nearest human habitation is Pashamailaram (V) @ 0.9 km; Nearest water body is Pond near Isnapur @ 0.32 km.

Project Cost for proposed expansion is Rs.50.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 500.0 Lakhs and Recurring Cost is Rs. 2205.0 Lakhs/annum.

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

Products:

S. No.	List of Products	Quantity (kg/day)	Quantity (TPA)
Regular products			
1	Amoxicillin Trihydrate	**3333.33**	1200.0
2	Cephalexin Monohydrate	**337.93**	121.7
3	Cefadroxil	**337.93**	121.7
4	Piperacillin Sodium	**800**	288.0
5	Pivmecillinam Hydrochloride	**73.33**	26.4
6	Cefotaxime Acid	608.33	219.0
7	Ampicillin Trihydrate	1666.67	600.0
8	Tazobactum	**133.33**	48.0
9	Sulbactam Sodium	200	72.0
10	Cloxa Derivatives	800	288.0
11	Sterile Crystallized Products	1938.57	697.9
12	Sterile Lyophilized Products	**833.33**	300.0
13	Amoxicillin Trihydrate (Synthesis)	1733.33	624.0
14	Pencillin G Benzathine	**166.67**	60.0
Production capacity of 14 regular products		**12962.77**	**4666.6**
Campaign Products			
1.	Cefdinir	42.27	15.2
2.	Cefradine	***76.07***	27.4
3.	Cefazidine Dihydrochloride	33.8	12.2
4.	Cefepime Hydrochloride Hydrates	33.8	12.2
5.	Cefpirome Dihydro Iodide	15.23	5.5
6.	Cephalothin Acid	76.07	27.4
7.	Ertapenem	16.9	6.1
8.	Doripenem Monohydrate	16.9	6.1
9.	Sulbactam Pivoxil	40.57	14.6
Maximum production capacities for 4 campaign products		**234.97**	**84.6**
Total Production capacity (14 regular products and 4 campaign products out of 9 products) (Total 23 products)		**13197.73**	**4751.2**
1	R&D products	**10**	**3.6**
Total Production capacity		**13207.73**	***4754.8***

Note: 18 products out of 23 products (i.e., 14 regular products and any 4 campaign products out of 9 products to be manufactured at any point of time.

CHAIRMAN, SEAC

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

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal Fired Boiler:** Existing: 24 TPH Proposed: 12 TPH	 44.5 m 33.5 m	Multicone Cyclone Separator
2	**DG Sets:** Proposed : 3 x 1010 kVA 4 x 1500 kVA Existing: 4 x 500 kVA 3 x 750 kVA 2 x 1000 kVA	Adequate height	Acoustic Enclosure

The process emissions, if any, 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 gas are to be safely dispersed into the atmosphere through water column.

Details of Water requirement after expansion:

S.No.	Description	Fresh Water (KLD)	Recycled Water (KLD)	Total (KLD)
1.	Process	196	--	196
2.	Washings (reactor, centrifuges, nutch filters, dryers, floor, etc.)	20	--	20
3.	Boiler (24 TPH boiler)	116	--	116
4.	Cooling Tower 13690 TR	358	412	770
5.	DM/Softner Regeneration/ RO back wash	20	--	20
6.	Scrubber	5	--	5
7.	SRS (Solvent recovery System)	20	--	20
8.	Ash Handling	5	--	5
9.	Water required for decontaminer/ container liners	10	--	10
10	Q.C and R&D	5	--	5
11	Garment Washing	15	--	15
12	Domestic (1930 nos @50 lpcd)	97	--	97
13	Greenbelt (7 acres @ 5KL/acre)	35	--	35
	Total	**902**	**412**	**1314**

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

Description	Quantity (KLD)	Treatment & Disposal
Process	199	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.
Scrubber	5	
SRS (Solvent recovery System)	20	
Washings (reactor, centrifuges, nutch filters, dryers, floor, etc.)	20	
Boiler (24 TPH boiler)	19	
Cooling Tower 13690 TR	69	
DM/Softner Regeneration/ RO back wash	20	
Water required for decontaminer/ container liners	10	
Q.C and R&D	5	
Garment Washing	15	
Domestic (1930 nos @50 lpcd)	78	Treated in STP and Outlet of STP to be connected to Biological ETP.
Total	**460**	

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Details of Solid Waste after expansion:

Sl. No.	Description	Quantity (TPD)	Disposal
1.	Organic residue from Process	3.6 TPD	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
2.	Spent carbon	0.65 TPD	
3.	Inorganic & Evaporation salt (Process)	10.6 TPD	Cement industries based on calorific value / TSDF/Agencies listed (or) approved by CPCB/SPCB
4.	Evaporation salt (Non-Process) Waste water Evaporation Salts	1.8 TPD	
5.	ETP Sludge	4 TPD	
6.	Boiler ash	38.4 TPD	Sale to Brick Manufacturers
7.	Recovered Stripper Distillate / Mixed Solvent (from HCOD Waste water Treatment)	400 KLM	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
8.	Detoxified Container / Liners drums, HDPE Carboys, Fiber Drums	10.1 TPM	Internal Use/Sale as Scrap/Agencies listed (or) approved by CPCB/SPCB after complete detoxification/decontamination
9.	Mixed Spent solvents	15 KLD	Sent to SPCB Authorized agencies for recovery (or) cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
10.	Spent Catalyst	0.05 TPD	Sold to suppliers on buy back basis / Authorized Re-processor
11.	Waste oils & Grease/ Used Mineral oil	10 KL/annum	Sent to SPCB / CPCB Authorized agencies
12.	Used SMF/ Used Lead acid Batteries	250 Nos. / annum	Sent to suppliers on buy-back basis.
13.	Miscellaneous Waste – Sparkler Filter Pads, Centrifuge Bags, FBD Bags, Nose Masks, Shoe Covers, Head Caps, Hand Gloves, helmets, etc.	6.5 TPM	TSDF/Agencies listed (or) approved by CPCB/SPCB
14.	Off Specification Raw Materials/ products	L.S.	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
15.	Miscellaneous Wastes – Discarded Molecular Sieves/ Ion-exchange resin	2.5 TPM	
16.	Glass/PP bottles (small volume up to 2.5 L capacity)	L.S.	Sale as Scrap / TSDF/ Agencies listed (or) approved by CPCB/SPCB after decontamination
17.	Asbestos	6 TPA	TSDF/Agencies listed (or) approved by CPCB/SPCB
18.	Thermo coal	20 TPA	
19.	Glass/mineral/insulation wool	20 TPA	
20.	Cooling tower frills	10 TPA	
21.	Gypsum Boards	10 TPA	
22.	Hard Rubber (Electrical Panel Rooms)	1.5 TPA	
23.	Hardened Latex paints / Varnishes/ glues/ resins/ plasticizers	0.25 TPA	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
24.	Waste from first aid centre	10 kg/annum	CBMWTF
25.	Packing material	50 TPA	Sale to recyclers/ outsider vendors
26.	Electrical & Electronic Waste	1.5 TPA	Ramky Enviro Engineers Limited or) any agency listed and approved by TSPCB for recycling

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27.	Contaminated cotton rags or other cleaning materials	1.0 TPA	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB
28.	Fibre drums/ carton boxes	130 TPA	Shall be sold to recyclers/ sold to scrap vendors
29.	Spent Resin (DM/Softener Plant)	2 TPA	Cement industries / TSDF/Agencies listed (or) approved by CPCB/SPCB agency
30.	Miscellaneous Materials/ Wastes	15 TPA	

The SEAC noted that the sub-committee constituted by the SEAC has not yet submitted the report. Hence, the SEAC informed the same sub-committee to inspect the unit, verify records and submit report on the following:

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

After detailed discussions, the SEAC deferred the project for consideration after receipt of Sub-committee's report.

Agenda Item No. 11	**M/s. Therapiva Private Limited, Unit-I,Plot Nos. 218 and 219, Phase-II, IDA Pashamylaram, Patancheru Mandal, Sangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/153200/2020 (EC)**

The representative of the project proponent Sri P. Surender Kumar; and Sri Kushal Bodhankar of M/s. KKB Enviro Consultant, Hyderabad, attended and made a presentation before the SEAC.

The SEAC noted that proponent obtained NOC dt. 19.02.1997 for establishment of Industry in the year 1997 in the name of M/s. Indian Chemphar Ltd. Subsequently, they also obtained EC (Ex-Post-Facto) in the year 2005 from MoE&F, GoI to the existing industry. It is noted that M/s. Indian Chemphar Ltd. Sold assets to M/s. Ogene System India Pvt. Ltd. in the year 2010 and later the assets were sold by M/s. Ogene System India Pvt. Ltd. to M/s. Therrapiva Pvt. Ltd. in the year 2018. The proponent has not submitted certified compliance report issued by the Regional Office the MoEF&CC, GoI, Chennai, as per O.M. dt.30.05.2012 of MoE&F, GoI.

The proponent submitted proposal seeking EC for Expansion of the project of API Intermediates & Speciality Chemicals manufacturing unit along with Combined ZLD for Unit-1 & only HTDS effluent from Unit-II which is located at about 40km away. Hence, applicability of G.O.s w.r.t. Ban Notifiation to be examined in detail.

The SEAC noted the provisions of 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. The SEAC noted that the project is located in a notified Industrial Estate prior to 2006.

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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Minutes of the SEAC Meeting held on 23.05.2020

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

Total area is 4.31 Ha., out of which Green area is 1.68 Ha. (39.06%).

Nearest human habitation is Pashamailaram (V) @ 1.52 km; Nearest water body is Pond near Isnapur @ 0.82 km.

Project Cost for proposed expansion is Rs. 48.69 Crores. Budget for Environmental protection towards Capital Cost is Rs. 2071.0 Lakhs and Recurring Cost is Rs. 744.0 Lakhs/annum. Budget for CER is Rs. 48.69 Lakhs for 5 years.

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

Sl.No.	List of Products	Quantity (kg/day)	Quantity (TPA)
	APIs		
1	Montelukast Sodium	33.33	12
2	Silodosin	16.67	6
3	Olmesartan	33.33	12
4	Rosuvastatin Calcium	66.67	24
5	Cetrizine Dihydrochloride	200	72
6	Etoricoxib	100	36
7	Mirabegron	16.67	6
8	Lacosamide	16.67	6
9	Sitagliptin Phosphate Monohydrate	100	36
10	Vildagliptin	100	36
11	BaloxavirMarboxil	16.67	6
12	Elagolix Sodium	16.67	6
13	Ticagrelor	33.33	12
14	Levocetrizine Dihydrochloride	33.33	12
15	Tenofovir Alafenamide Hemifumarate	33.33	12
16	Rivaroxaban	233.33	84
17	Macitentan	16.67	6
18	Tranexamic Acid	100	36
19	Hydroxychloroquine Sulfate	166.67	60
20	Cinacalcet Hydrochloride	455	163.8
Any 6 campaign products from total 20 products		1255	451.8
API Intermediates			
21	(R)-2-((4-Aminophenethyl) amino)-1-phenylethan-1-ol Hydrochloride	260	93.6
22	(R)-2-((4-Nitrophenethyl) amino)-1-phenylethan-1-ol	16.67	6
23	(R)-2-Amino-N-benzyl-3-methoxy propanamide	16.67	6
24	(R)-N-Benzyl-2-Boc-amino-3-methoxy propionamide	733.33	264
25	(R)-3-Amino-1-(3-(trifluoro methyl)-5,6-dihydro-[1,2,4]-triazolo [4,3-a] pyrazin-7(8H)-yl)-4-(2,4,5-trifluoro phenyl) butan-1-one	100	36
26	tert-Butyl-(R)-(4-oxo-4-(3-(trifluoro methyl)-5,6-dihydro-[1,2,4] triazolo [4,3-a]pyrazin-7(8H)-yl)-1-(2,4,5-trifluoro phenyl)butan-2-yl) carbamate	100	36
27	(S)-1-(2-Chloroacetyl) pyrrolidine-2-carbonitrile	100	36
28	(1s,3r,5R,7S)-3-Amino adamantan-1-ol	100	36
29	(R)-7-(Benzyloxy)-12-((R)-tetrahydrofuran-2-carbonyl)-3,4,12, 12a -tetrahydro-1H-[1,4]oxazino [3,4-c]pyrido[2,1-f][1,2,4]triazine-6,8-dione	513.33	184.8

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Sl.No.	List of Products	Quantity (kg/day)	Quantity (TPA)
30	(R)-7-(Benzyloxy)-12-((S)-7,8-difluoro-6,11-dihydrodibenzo [b,e] thiepin-11-yl)-3,4,12,12a-tetrahydro-1H-[1,4]oxazino [3,4-c] pyrido[2,1-f][1,2,4]triazine-6,8-dione	166.67	60
31	(R)-3-(2-amino-2-phenylethyl)-5-(2-fluoro-3-methoxyphenyl)-1-(2-fluoro-6-(trifluoromethyl)benzyl)-6-methylpyrimidine-2,4(1H,3H)-dione	16.67	6
32	Ethyl (R)-4-((2-(5-(2-fluoro-3-methoxyphenyl)-3-(2-fluoro-6-(trifluoromethyl)benzyl)-4-methyl-2,6-dioxo-3,6-dihydropyrimidin-1(2H)-yl)-1-phenylethyl)amino)butanoate	16.67	6
33	2-(((3aR,4S,6R,6aS)-6-(7-(((1R,2S)-2-(3,4-Difluoro phenyl) cyclo propyl) amino)-5-(propylthio)-3H-[1,2,3] triazolo [4,5-d]pyrimidin-3-yl)-2,2-dimethyltetrahydro-4H-cyclo penta [d][1,3]dioxol-4-yl)oxy)ethan-1-ol	466.67	168
34	2-(((3aR,4S,6R,6aS)-6-(7-Chloro-5-(propylthio)-3H-[1,2,3] triazolo [4,5-d]pyrimidin3-yl)-2,2-dimethyl tetrahydro-4H-cyclopenta[d] [1,3]dioxol-4-yl)oxy)ethan-1-ol	33.33	12
35	L-Alanine-N-[(S)-[[(1R)-2-(6-Amino-9H-purin-9-yl)-1-methyl ethoxy] methyl]phenoxy phosphinyl] -1-methyl ethyl ester	33.33	12
36	Phosphonic acid-[[(1R)-2-(6-Amino-9H-purin-9-yl)-1-methy ethoxy]methyl]-monophenyl ester	166.67	60
37	4-(4-Fluorophenyl)-6-isopropyl-2-[(N-methyl-n-methylsulfonyl) amino] pyrimidine-5-yl-methanol	100	36
38	tert-Butyl-6-[(1E)-2-[4-(4-fluoro phenyl)-6-(1-methylethyl)-2-[methyl (methylsulfonyl)amino]-5-pyrimidinyl] ethenyl]-2,2-dimethyl-1,3-dioxane-4-acetate	166.67	60
39	tert-Butyl-2-((4R,6S)-6-(acetoxy methyl)-2,2-dimethyl-1,3-dioxan-4-yl)acetate	100	36
40	1-(4-Chloro benzhydryl) piperazine	200	72
41	2-Chloro-6,7-dimethoxy quinazolin-4-amine	33.33	12
42	4-Chloromethyl-5-methyl-1,3-dioxolene -2-one	166.67	60
43	2-Propyl-5-(1-hydroxy-1-methyl ethyl)-3H-imidazole-4- carboxylic acid ethyl ester	33.33	12
44	(R-1-[(4-Chlorophenyl) phenyl methyl] piperazine	33.33	12
45	5-[(2R)-2-Aminopropyl]-1-[3-(Benzoyloxy)propyl]-2,3-dihydro -1H-indole-7-carbonitrile (2R,3R)-2,3-dihydroxy butanedioate	16.67	6
46	2-(2-(2,2,2-Trifluorocthoxy) phenoxy) ethyl methane sulfonate	16.67	6
47	Sodium 1-hydroxy-3-(3(trifluoromethyl)phenyl) propane-1-sulfonate	33.33	12
48	cis-4-Aminomethyl cyclohexane-1-carboxylic acid Hydrochloride	166.67	60
49	cis-4-Aminomethyl cyclohexane-1-carboxylic acid Sulfate	233.33	84
50	(2-Methoxy-3,5-dimethyl pyridin-4-yl) boronic acid	16.67	6
51	tert-Butyl-2-amino-5-(4-ethyl piperazin-1-yl)phenyl carbamate	16.67	6
52	N-(2-Hydroxyethyl) phthalimide	66.67	24

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Sl.No.	List of Products	Quantity (kg/day)	Quantity (TPA)
53.	4,7-Dichloroquinoline	166.67	60
54.	2-((4-Aminopentyl) (ethyl)amino)ethan-1-ol	166.67	60
Any 6 campaign products from total 34 products		2406.67	866.4
Specialty Chemicals			
55	3,4-Ethylene Dioxythiophene (EDOT)	166.67	60
56	3,4-Dimethoxy Thiophene (DMOT)	166.67	60
57	2-Butyl-2,3-dihydrothieno [3,4-b] [1,4] dioxine	100	36
58	2-Ethyl-2,3-dihydrothieno [3,4-b] [1,4] dioxine	166.67	60
4 Specialty products		600.01	216
59	R & D Products and Validation Products	5	1.8
6 APIs and 6 Intermediates and 4 Specialty Products along with R & D Products and Validation Products		**4266.7**	**1536**
Recovery Solvent Distillation		**75000**	**900**

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

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boilers:** Existing: 1x6 TPH Proposed: 1x8 TPH 1x10 TPH	30m 40m (Combined Stack)	Multicone Cyclone Separator & Bag Filters
2	**DG Sets:** Existing: 1x500 kVA 1x1500 kVA Proposed: 1x1000 kVA 1x2000 kVA	Adequate height	Acoustic Enclosure

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

Description	Fresh Water (KLD)	Recycled Water(KLD)	Total (KLD)
Process	89.4	--	89.4
Washings (Reactor, centrifuges, nutch filters, dryers, floor, etc.)	20	--	20
Boiler (6, 8 & 10 TPH boilers)	115	-	115
Cooling Tower 3800 TR	8	220 (reuse water)	228
Scrubber	12	--	12
Q.C and R&D	5	--	5
Domestic (950 nos @50 lpcd)	28	20	48
Greenbelt (3.5 acres @ 5KL/acre)	18	--	18
Total:	**295.4**	**240**	**535.4**

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

Description	Quantity (KLD)	Treatment & Disposal
Process	94.6	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.
Washings (Reactor, centrifuges, nutch filters, dryers, floor, etc.)	20	
Boiler (6, 8 & 10 TPH boilers)	19 (blow down)	
Cooling Tower 3800 TR	19	
Scrubber	12	
Q.C and R&D	5	
Domestic (950 nos @50 lpcd)	38	
Total:	**207.6**	

Combined ETP-ZLD Treatment – Unit-1 & 2.

S.No	Description	Wastewater (Unit-1) (KLD)	Wastewater (Unit-2) (KLD)	Total Wastewater CZLD (KLD)	Segregation type of Wastewater
1	Process	94.6	85.16	196.76 *to Stripper then to MEE then to ETP*	Collection →Equalization cum Neutralization → Settling → Holding → Steam stripper → MEE along with HTDS effluent → Condensate to ETP (biological treatment) → Concentrate to ATFD MEE & ATFD Condensate to ETP (Biological Treatment) along with domestic wastewater → holding tank → Pressure Sand Filter → Activated Carbon Filter → ETP RO system → RO permeate water reuse in Cooling towers/boilers. ETP RO rejects to MEE. ATFD Salts to TSDF and stripped solvents to SPCB authorized cement industries for co-processing / authorized solvent recovery units
2	Scrubber	12	5		
3	RO rejects	-	15	15 *to MEE then to ETP*	
4	Washings	20	-	101 *to ETP*	Collection →Equalization cum Neutralization →ETP (Biological Treatment) along with MEE &ATFD Condensate
5	Boiler	19	-		
6	Cooling Towers	19	-		
7	Q.C and R&D	5	-		
8	Domestic	38	-		
Total		**207.6**	**105.16**	**312.76**	**Reuse: 220 KLD** Losses: 53.76 KLD (Losses in Stripper, MEE ATFD& ETP) **RO Rejects: 39 KLD to MEE**

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Details of Solid Waste after expansion:

Sl. No.	Description	Quantity (TPD)	Disposal
1.	Organic residue (Process & Distillation from SRS)	7.6	Sent to SPCB Authorized Cement industries or to TSDF for Incineration
2.	Spent carbon	0.71	
3.	Isolated Inorganic salt (Process) (10% moisture)	12.5	Sent to TSDF for Incineration / land fill
4.	Evaporation Salts	5.8	
5.	ETP Sludge & Bio Sludge	1.5	
6.	Boiler ash	38.4	Sent to Brick Manufacturers
7.	Chemical Sludge	1	Sent to SPCB Authorized Cement industries or to TSDF for Incineration
8.	a) Detoxified Container / Liners drums, Fiber drums	1200 Nos./ month	Disposed to SPCB Authorized agencies after complete detoxification
	b) Carboys	1000 Nos./ month	
	c) Plastic Bags	1000 Kgs/ Month	
	d) Glass Bottles	1000 Kgs/ Month	
9.	Spent solvents (unrecovered solvents)	19 KLD	Sent to SPCB Authorized agencies
10.	Spent Mixed Solvents (Stripper) (including ZLD)	40 KLD	
11.	Spent Catalyst	0.15 TPD	Sent to suppliers on buy back basis
12.	Waste oils & Grease	600 lts/month	Sent to SPCB Authorized agencies for reprocessing
13.	Used Lead acid Batteries	80 Nos. / annum	Sent to suppliers on buy-back basis.
14	Spill control waste	3 TPM	TSDF
15.	Rejects	Lumpsum	
16.	E- waste	Lumpsum	Authorized re-processor or TSDF
17.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
18.	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
19.	Bio Medical Waste	10 TPM	Sent to SPCB authorized Biomedical waste incinerator
20.	Expired Hazardous chemicals	10 TPM	Sent to TSDF for incineration
21.	Off Specification Products	15 TPM	Sent to TSDF for incineration

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

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

Members of Sub-Committee:
1. Sri Sivakumar.
2. Sri Suresh
Krishna Reddy

Agenda Item No. 12	**M/s. Vanamali Organics Pvt. Ltd., Plot Nos. 24A & 24B, TSIIC,,Rangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/152132/2020 (EC)**

The representative of the project proponent Dr. Sreenivasan; and Sri Thirumalesh of M/s. KKB Enviro Consultant, Hyderabad, attended and made a presentation before the SEAC.

The proponent informed that the existing unit is having its CFE order dt. 18.12.2018 issued by the TSPCB to manufacture Inorganic Chemicals and hence, there is no EC. Thus, they have not submitted copy of compliance report.

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

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

Total area is 0.4181 Ha., out of which Green area is 0.15 Ha. (35.8%).

Nearest human habitation is Mohabbatnagar (V) @ 1.64 km; Nearest water body is Tumma Cheruvu @ 1.03 km; Nearest RF is Srinagar RF @ 0.45 km.

Project Cost for proposed expansion is Rs. 8.97 Crores. Budget for Environmental protection towards Capital Cost is Rs. 105.0 Lakhs and Recurring Cost is Rs. 190.0 Lakhs/annum. Budget for CER is Rs. 9.0 Lakhs for 5 years.

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

Products:

S.No.	List of Products	Quantity (Kg/day)	Quantity (TPA)
	Regular Product (CFE permitted Inorganic product)		
1.	Barium Nitrate	**666.67**	**240**
	Campaign Products (Any 5 out of 30 products)		
2.	8-Chloro-11-oxo-10,11-dihydro-5H-debenzo-1,4-diazepine	50	18
3.	Felbinac	**100**	**36**
4.	4-(1-Hydroxy-2-((4-(4-hydroxy phenyl)butan-2-yl)amino)ethyl) phenol Hydrochloride	50	18
5.	Permethric acid	50	18
6.	Cetirizine Hydrochloride	83.33	30

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S.No.	List of Products	Quantity (Kg/day)	Quantity (TPA)
7.	N,N-Diisopropylethylenediamine	100	36
8.	1-(4,5-Dinitro-10-aza-tricyclo [6.3.1.02,7]dodeca-2(7),3,5-trien-10-yl)-2,2,2-trifluoro-ethanone	5	1.8
9.	N-(4-Chlorophenyl)-1,2-phenylenediamine	50	18
10.	8-Chlorotheophylline	10	3.6
11.	2,3-Dimethyl-6-nitro-2H-indazole	10	3.6
12.	2,4-Dichloropyrimidine	5	1.8
13.	5-Amino-2-methylbenzene sulfonamide	10	3.6
14.	4-[5-[4-(Pentyloxy)phenyl]-3-isoxazolyl]benzoic acid	5	1.8
15.	6-Hydroxy-3,4-dihydroquinolin-2(1H)-one	25	9
16.	2-[4-(4-Chlorobutanoyl) phenyl]-2-methylpropanoic acid	53.33	19.2
17.	Ammonium Lactate	83.33	30
18.	Ethylene Glycol Dibenzoate	**900**	**324**
19.	Sodium-4-(2-methylprop-2-en-1-yl)benzenesulfonate	**250**	**90**
	Campaign Products (Any 5 out of 30 products)		
20.	Carbamic acid,N-Methyl-N-[1-methyl-2-(3-methylphenyl)-2-oxoethyl]-1,1-dimethylethyl ester	10	3.6
21.	3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	**100**	**36**
22.	4-Chloroindole-3-acetic acid	50	18
23.	4-Ethyl-1-naphthalenyl-(1-pentyl-1H-indol-3-yl)methanone	10	3.6
24.	5-(2-Methylaminopropyl) benzofuran Hydrochloride	10	3.6
25.	2,3-Dihydro-5-methoxy-1H-inden-2-amine Hydrochloride	5	1.8
26.	Saccharin	**100**	**36**
27.	1-Bromo-2,3-dimethylbenzene	50	18
28.	4-[(2,3-Dihydrothieno[3,4-b]-1,4-dioxin-2-yl)methoxy]-1-butane sulfonic acid	5	1.8
29.	3,9-Di-(3-cyclohexenyl)-2,4,8,10-Tetraoxaspiro(5,5) undecane	100	36
30.	N,N-Diethyl-1,4-phenylene diamine Sulfate	50	18
31.	1,2,3,4-Tetrahydro-benzo[h] quinolin-3-ol	5	1.8
1 Regular + Maximum any 5 products out of 30 campaign products		2116.67	762
	R & D Products	5	1.8
1 Regular + Maximum any 5 products out of 30 campaign products along with R & D Products (Total 6 out of 31 products with R&D)		2121.67	763.8
By Products		Quantity (Kg/Day)	Quantity (TPA)
Dilute HCl (5% Solution)		**1000**	**360**

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

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boiler:** Consented: 1x3 TPH	30 m	Multicone Cyclone Separator & Bag filter.
2.	**Furnace Oil fired Thermic Fluid Heater:** Consented: 1 x 1 Lakh K. Cal/hr.	30m	--
3	**DG Sets:** Consented: 1 x 250 kVA	Adequate height	Acoustic Enclosure

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

Description	Fresh Water (KLD)	Recycled Water (KLD)	Total (KLD)
Process	8.6	--	8.6
Washings (Reactor, centrifuges, nutch filters, dryers, floor, etc.)	3	--	3
Boiler (3 TPH boiler)	14.4	--	14.4
Cooling Tower 600 TR	14.4	21.6	36.0
Fresh water RO rejects	2	--	2
Scrubber	2	--	2
Q.C and R&D	1	--	1
Domestic (70 nos @50 lpcd)	3.5	--	3.5
Greenbelt (0.37 acres @ 5KL/acre)	2	--	2
Total:	**50.9**	**21.6**	72.5

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

Description	Quantity (KLD)	Treatment & Disposal
Process	9.5 (10.9)	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.
Washings (Reactor, centrifuges, nutch filters, dryers, floor, etc.)	3	
Boiler	2.4	
Cooling Tower	3	
Fresh water RO rejects	2	
Scrubber	1	
Q.C and R&D	1	
Domestic	2.8	
Total:	**24.7**	

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Details of Solid Waste after expansion:

S. No	Description	Quantity (TPD)	Disposal
1.	Organic residue from Process	1.53	Sent to SPCB Authorized Cement industries or to TSDF for Incineration
2.	Spent carbon	0.04	
3.	Isolated Inorganic salt (Process) (10% moisture)	1.65	Sent to SPCB Authorized Cement industries or to TSDF for Incineration
4.	ETP Sludge	0.06	
5.	Boiler ash	4.8	Sent to Brick Manufacturers
6.	a) Detoxified Container / Liners drums, HDPE Carboys, Fiber drums	50 Nos./ month	Disposed to SPCB Authorized agencies after complete detoxification
	b) PP Bags	50 Kg/month	
7.	Spent Mixed solvents (unrecovered solvents)	1 KLD	Sent to SPCB Authorized agencies
8.	Spent Catalyst	0.002 TPD	Sent to suppliers on buy back basis
9.	Waste oils & Grease	1 KL/annum	Sent to SPCB Authorized agencies for reprocessing
10.	Used Lead acid Batteries	30 Nos. / annum	Sent to suppliers on buy-back basis.
11.	Misc. Waste (spill control waste)	Lumpsum	TSDF
12.	Rejects	Lumpsum	
13.	E- waste	Lumpsum	Authorized re-processor or TSDF
14.	Waste papers & other types of packing scrap	Lumpsum	Sold to scrap vendors
15.	Canteen waste	Lumpsum	Composted on site and reused for greenbelt
16	Bio Medical Waste	Lumpsum	Sent to SPCB authorized Biomedical waste incinerator

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

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

Members of Sub-Committee:
1. Sri Vijaya Lakshmi
2. Sri Mantri Krishna Reddy

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Agenda Item No. 13	M/s. Ortin Laboratories Limited, (FORMERLY M/S. VINEET LABORATORIES (P) LTD) Survey No: 300, Malkapur Village, Choutuppal Mandal, Yadadri Bhuvanagiri District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/151963/2020 (EC)

The representative of the project proponent Sri Murali; and Sri Vamsi Krishna of M/s. Hubert Enviro Care Systems (P) Ltd, Chennai, attended and made a presentation before the SEAC.

The proponent informed that the existing unit was established in the year 2006. The industry is having CFE order dt. 08.07.2013 issued by the APPCB and hence, there is no EC. Thus, they have not submitted copy of compliance report.

The SEAC also noted that the proponent informed that they are operating the unit with CFO order dt. 29.03.2016 with validity upto 31.12.2020.

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 27194.88 Sq.m., out of which Green area is 9186.36 Sq.m. (33.78%).

Nearest human habitation is Malkapuram (V) @ 2.47 km; Nearest water body is Chinna Musi River @ 3.63 km; Nearest RF is Malkapuram RF @ 0.28 km.

Project Cost for proposed expansion is Rs. 30.0 Crores. Budget for Environmental protection towards Capital Cost is Rs.4.0 Crores and Recurring Cost is Rs. 40 Lakhs/annum. Budget for CER is Rs. 0.3 Lakhs for 5 years.

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

Products:

S. No.	Product Name	Capacity (Kg/Day)
1	Lovastatin Cyclohexyl amide phenyl boronate(Simvastatin intermediate)	31.5
2	N- Butyl lithium	186.67
3	(2S,3S,5S)-2 amino-3-hydroxy-5-(tert-butyloxy carbonyl) amino-1,6-diphenyl hemi succinic acid salt (BDH) [Ritanovir Intermediate]	333.33
4	Carbonic acid -4-nitro phenyl-5-thiazoly methyl ester [NCT] (Ritanovir Intermediate)	333.33
5	[2S,]-3 Methyl-2-([methyl-2-([methyl-([2-(1-methyl ethyl) thiazole-4-yl)methyl) carbonyl) amino) butanoic acid (MTV) (Ritanovir Intermediate)	333.33
6	2S,3S,5S-2 amino-3-hydroxy-5-(1-tetra hydropyrmid-2-on-yl)-3-methyl butanoyl) amino-1,6-diphenyl hexane-S-pyro glutamate (THP) (Lopinavir Intermediate)	333.33
7	2,6-Dimethyl phenoxy acetyl chloride (DPC) [Lopinavir Intermediate]	333.33
8	Isopropyl-B-{d}-thiogalactopyranoside(IPTG)	33.33
9	1-Cyclo propyl-7-chloro-6fluro-4-oxo-3-quinoline carboxylic acid (Ciprofloxacin intermediate)	16.67
10	6 Chloro -5-(2,3-dichlorophenoxy)-2-methylthiol 1h-benzo imidazole (TriclaBendazole)	13.33
11	Tert-butyl(5R)-6-Cyano-5-hydroxy-1,3-di-oxo hexanoate (Rosuvastatin intermediate)	36
12	Methyl-2-(4-(2-cyano benzyl) benzyl amino)-3- methyl butanoate (Valsartan Intermediate)	46.67

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S. No.	Product Name	Capacity (Kg/Day)
13	(S,Z)-5-Amino-2-(dibenzylamino)-1,6-diphenylhex-4-en-3-one (Lopinavir Intermediate)	166.66
14	(2S)-(1-Tetrahydropyramid-2-one)-3-methylbutanoic acid (Lopinavir Intermediate)	333.33
15	5-Hydroy methyl thiazole (Ritanovir Intermediate)	166.66
16	Hexahydrofuro[2,3-b]furan-3-ol (Darunavir Intermediate)	100
17	Palladium on Carbon	66.66
18	4-[2-(3-Ethyl-4-Methyl-2-oxo-3-Pyrrolin Carboxamide)ethyl BenzenSulfonamide (PPS)	66.66
19	Trans-4-MethylCyclohexyl Isocyanate (ICY)	66.66
20	2 Benzyl pyridine (2BP)	500
21	2 Benzoyl Pyridine (BOP)	333.33
22	1-Methyl-1-Phenyl-1-(2-Pyridyl)Methanol Hydrochloride (MPH)	166.66
23	5,6 –Dihydro-6-Methyl-4-Oxo-4H-Thieno[2,3-B]Thioppyran-2-Sulfonamide (DOZ)	166.66
24	EthylEster of 4-(Hydroxy-1-MethylEthyl)-2-PropylImidazole-5-Carboxylic acid (Imidazole Ester)	100
25	5-(4-BromoMethyl-1,1-Biphenyl-2-Yl)-1-TriPhenylMethyl-1H-Tetrazole(TTBB)	166.66
26	4-Chloromethyl-5-Methyl-2-Oxo-1,3-Dioxolene (Chloro derivative of Olmesartan)	166.66
27	5-Methyl-2-OXO-1,3 DiOxolen-4-Yl Methyl-4-(1-Hydroxy-1-Methylethyl)-2-Propyl-1-{4-(2-Trityltetrazol-5-Yl)Phenyl]Phenyl}Methyl Imidazole-5-Carboxylate (OTL-III)	100
28	Ethyl 5-amino-1-benzofuran-2-carboxylate hydrochloride (or) Amino benzofuran (VIH)	66.66
29	3-(4-chlorobutanoyl)1-H-indole-5carbonitrile (VHI)	66.66
30	3-Chloro-2-fluorobenzy Bromide (EGI)	66.66
31	(2R,3S)/(2S,3R)-3-(4-chloro-5-fluoropyrimidin-6-yl)-2-(2,4- difluorophenyl)-1-(1H-1,2,4-triazol-1-yl)butan-2-ol hydrochloride (or) ChloroVoriconazole (VRN)	66.66
32	2-Chloro-1-(2,7-dichloro-9H-fluoren-4-yl)-ethanone (LMN)	166.66
33	3,3-Dichloro-trans-Octahydro-1H-quinoline2-one (RAM)	166.66
34	5,8-Dihydro Naphthol (5,8-DHN)	66.66
35	PiroctoneOlamine	666.66
36	2,4,6-Trichlorobenzonitrile (NTB)	333.33
37	Phenyl boronic acid	166.66
38	4-Hydrazina benzene sulfonamide hydrochloride (HSA)	166.66
39	4,4,4-Trifluoro-1-(4-methylphenyl)butane-1-dione (TFD)	166.66
40	Cytosine	333.33
41	4-Nitrophenyl phosphate disodium salt (PNPP)	166.66
42	O-(7-azabenzotriazol-1-yl)-N,N,N',N'-Tetramethyl-uroniumHexafluorophospate (HATU)	33.33
43	5-Bromo-4-chloro-3-indolyl-beta-D-galactopyranoside (X-GAL)	33.33
44	5-Bromo-4-chloro-1H-indolyl-D-glucuronide (X-GLU)	33.33
45	5- Acetyl thiophene Carboxylic acid	166.66
46	Lopinavir	133.33
47	Ritanovir	66.66

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S. No.	Product Name	Capacity (Kg/Day)
48	Chloroquine	166.66
49	Hydroxy chloroquine	166.66
50	Azythromycin	166.66
51	Oseltamivir	66.66
52	Remdesavir	66.66
53	Galidesivir	66.66
54	Camostat	66.66
55	Favipiravir	66.66
56	Darunavir	66.66
57	Fingolimod	66.66
58	Baricitinib	66.66
59	Ruxolitinib	66.66
60	Umifenovir	66.66
61	Thalidomide	66.66
62	Olmesatran	66.66
63	Glimipride	100
64	Doxylamine	66.66
65	Dorzolamide	100
66	Clopidogrel bi sulphate	100
67	Tepentadol HCL	100
Total		**9597.2**
Total (TPA) **Note: 12 Products at any point of time**		**3464.4**

By-products:

S. No.	Product Name	Capacity (Kg/Day)
1	4- Nitro Phenol	147.33
2	Sodium Sulphate	546.5
3	Methyl Sulphate	28.8
4	Sodium Acetate	79.12
5	Lithium Chloride	455.08
6	Lithium Sulphate	68.16
7	Potassium Bromide	20
8	Pottassium Chloride	5.4
9	TEA Hydro chloride	150
10	Ammonium Chloride	766
11	T- Butanol	49
12	Acetic acid	50
13	Hydro chloric acid	200
Total		**2565.39**
Total (TPA)		**936.36**

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

S.No.	Utility	Stack Height (mt)	APCE
1	**Coal fired Boilers:** Proposed: 2x6 TPH	30 m each	Cyclone Separators
2	**DG Sets:** Proposed: 2 x 750 kVA	Adequate height	Acoustic Enclosure

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

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Details of Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Treated (KLD)	Total (KLD)
1	Domestic	18	-	18
2	Process	33.5	-	33.5
3	Washings	-	3	3
4	Cooling Tower & Boiler Feed	-	12	12
5	DM Plant regeneration & Scrubber	-	2.6	2.6
6	Green belt	-	26	26
	Total	**51.5**	**43.6**	**95.1**

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

S. No.	Outlet Description	After Expansion (KLD)	Treatment & Disposal
1	HTDS Effluents: Process & Washing	33	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	LTDS Effluents : Cooling & boiler blow down + DM Plant regeneration, Scrubber & softner, along with condensate from MEE	4	
3	Domestic	15	Treated in STP and Outlet of STP to be connected to Biological ETP.

Details of Solid Waste after expansion:

Description	Total Proposed	Method of disposal
Spent carbon	65.5 (Kg/day)	Sent to cement units for co-processing/ TSDF for incineration.
Evaporation slats	1305.46 (Kg/day)	Disposed to TSDF
Organic residue	4283.70 (Kg/day)	Sent to cement units for co-processing/ TSDF for incineration.
Process Inorganic waste	534.17 (Kg/day)	Disposed to TSDF
ETP Sludge	150.00 (Kg/day)	Disposed to TSDF
Waste oil & grease	90 (lt/annum)	Disposed to authorized re-processors / recyclers.
Detoxification Container & Container liners	250 (nos/month)	After detoxification sent back to suppliers after complete detoxification.
Used lead acid batteries	4 (nos/month)	Sent back to suppliers on buyback basis.
Organic MSW waste	108 kg/day	Dispose to MSW Disposal site.
Inorganic MSW waste	72 kg/day	TSPCB 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.

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

Members of Sub-Committee:
1. Sri Sivakumar
2. Sri Vinod Goud
K. Krishna Reddy.

Agenda Item No. 14	**M/s. Vasant Chemicals Pvt. Ltd., Plot No's: 91/C, 91/D, 91D/P, Phase-I, IDA Jeedimetla, Qutubullapur Mandal, Medchal-Malkajgiri District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/152792/2020 (EC)**

The representative of the project proponent Sri B. Venkata Sivayya; and Sri Y.V. Prasad of M/s. Rightsource Industrial Solutions Private limited, attended and made a presentation before the SEAC.

Earlier, the industry submitted application for expansion of the project and the proposal was examined by the SEAC in its meeting held on 28.10.2019 constituted a sub-committee with the following members to inspect the unit and submit a report.

Members of Sub-Committee:
1. Smt. T.Vijaya Lakshmi
2. Sri P. Radha Krishna
3. Sri Ch. Krishna Reddy

Now, the proponent again submitted EC application for proposed expansion keeping in view of the S.O.1223 (E), dt.27.03.2020.

The SEAC noted the provisions of 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. The SEAC noted that the project is located in a notified Industrial Estate prior to 2006.

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

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

The total site area of the unit is 7,060.4 Sq.m. Out of which, the area of greenbelt is only 425.0 Sq.m. (6.02%). The SEAC observed that the area of greenbelt is not sufficient as it is less than 33% of total site area. In this regard, the proponent informed that due to inadequate land for greenbelt development in the project site, they are proposing to develop greenery in an area of 1440 Sq.m. besides the company in addition to the 425.0 Sq.m. of greenbelt in the plant site. But, even then the area of greenbelt is only 26.4%, which is not sufficient.

Nearest human habitation is Shahpurnagar (V) @ 0.6 km; Nearest water body is Vennelagadda Cheruvu @ 2.15 km; Nearest RF is Dulapalle RF @ 3.0 km.

CHAIRMAN, SEAC

Project Cost for proposed expansion is Rs. 5.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 119.0 Lakhs and Recurring Cost is Rs. 13.0 Lakhs/annum. Budget for CER is Rs. 5,0 Lakhs for 5 years.

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

Products:

S.No.	Name of The Product	Quantity (TPA)
1	1-(Mercapto methyl) cyclopropyl acetonitrile (MAN)	9.00
2	2,6-difluorobenzenediazonium chloride (2,6-DFBSC)	20.00
3	2-Amino Bi Phenyl	20.00
4	3-Ethyl Bi Phenyl	15.00
5	3-Methyl-1,2-benzothiazol-1,1-diozide (3-MBD)	15.00
6	4-N, N-Di methyl amino Butanol di methyl acetal (DBM)	1.00
7	Lactum	20.00
8	MANCAT	35.00
9	Me3TACN	35.00
10	Dragon Sulphate 12 % solution in water	10.00
11	P-Nitrobenzene sulphonyl chloride (PNBSC)	60.00
12	TMEM	6.00
13	Pegasus Chloride 15 % solution	10.00
	Total	**256.00**

By-products:

S. No	Name of the Product	Name of the By-Product	Quantity (Kg/Day)
1	P-Nitrobenzene sulphonyl chloride	Spent Hydrochloric acid	2236.00

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

S.No.	Utility	Stack Height	APCE
1	**Boilers:** Existing: 1x3 TPH Proposed: 1x3 TPH	 30 m 30 m	Cyclone Separator & Bag Filters
2	**Thermopack Boiler (Coal):** 1 x 2 Lakh k.Cal/hr.	30m	--
3	**DG Sets:** Consented: 1x380 kVA Proposed: 1 x 500 kVA	Adequate 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, Nitrogen & Oxygen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely dispersed into the atmosphere through water column.

CHAIRMAN, SEAC

Details of Water requirement after expansion:

S. No	Purpose	Quantity (KLD)
1	Process	16.71
2	Washings	1.00
3	Boiler make up	36.00
4	Cooling towers make up	82.00
5	Scrubbing system	1.50
6	Domestic	9.00
7	Gardening	3.50
	Total	**149.71**

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

Unit	HTDS (KLD)	LTDS (KLD)	Effluent Generation (KLD)	Treatment Method
Process	19.57	0.18	19.75	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.
Washings	0.00	1.00	1.00	
Boiler Blow down	0.00	6.00	6.00	
Cooling towers Bleed off	0.00	11.00	11.00	
Scrubbing system	1.50	0.00	1.50	
Domestic	0.00	8.00	8.00	
Total	**21.07**	**26.18**	**47.25**	

Details of Solid Waste after expansion:

S. No	Name of the Waste	Quantity	Disposal Method
Hazardous Waste Details			
1	Organic solid waste (Process Residue)	1824 Kg/Day	Shall be sent to Cement Industries
2	Spent Carbon	66 Kg/Day	Shall be sent to Cement Industries
3	Solvent Distillation Residue	170 Kg/Day	Shall be sent to Cement Industries
4	Spent mixed solvents	1486 Kgs/Day	Shall be sent to SPCB authorized agencies/ Cement industries
5	Inorganic Solid Waste	1496 Kg/Day	Shall be sent to TSDF
6	ETP Sludge	50 Kg/Day	Shall be sent to TSDF
7	MEE Salts	2683 Kg/Day	Shall be sent to TSDF
8	Organic distillate from MEE Stripper	340 Kg/Day	Shall be sent to Cement Industries
9	Used Oils	200 Ltrs/Annum	SPCB Authorized Agencies for Reprocessing/ Recycling
10	Detoxified Containers/ Container liners	200 No's/Month	After Detoxification sent to SPCB authorized agencies.
11	Used Lead Acid Batteries	4 No's/Annum	Send back to suppliers for buyback of New Batteries
Solid waste details			
12	Ash from boiler	6825 Kg/Day	Will be sent to Brick Manufacturers
13	Ash from thermo pack boiler	490 Kg/Day	Will be sent to Brick Manufacturers

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The SEAC noted that the sub-committee constituted by the SEAC has not yet submitted the report. Hence, the SEAC informed the same sub-committee to inspect the unit, verify records and submit report on the following:

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

After detailed discussions, the SEAC deferred the project for consideration after receipt of Sub-committee's report.

Agenda Item No. 15	**M/s. DRCMR INDUSTRIES PRIVATE LIMITED, Sy. Nos.: Parts of 203 & 206, Ramannapet Village & Mandal, Yadadri – Bhongir District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/153061/2020 (EC)**

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

The proponent proposed to establish Bulk Drugs & Intermediates manufacturing unit.

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 18,008.51 Sq.m., out of which Green area is 6,081.69 Sq.m.(33.7%).

Nearest human habitation is Janampalli (V) @ 1.34 km; Nearest water body is Lake near Ramannapet @ 1.65 km; Nearest RF is Shivanenigudem RF @ 0.80 km.

Project Cost for proposed project is Rs. 24.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 101.0 Lakhs and Recurring Cost is Rs. 14.0 Lakhs/annum. Budget for CER is Rs. 48.0 Lakhs.

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

Products:

S. No	Product Name	Quantity (TPM)
1	Cetirizine Di-hydrochloride	5.0
2	Donepezil hydrochloride	5.0
3	Escitalopram Oxalate	5.0
4	Esomeprazole Magnesium Trihydrate	5.0
5	Etravirine	5.0

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6	Fexofenadine hydrochloride	5.0
7	Quetiapine Fumarate	5.0
8	Tapentadol hydrochloride	5.0
9	Telmisartan	5.0
10	Verapamil hydrochloride	5.0
	Total	**50.0**

By-products:

S. No	Name of the Product	Name of the By-Product	Quantity (Kg/Day)
1	Donepezil hydrochloride	Methoxy Ethanol	110.75
		Dimethyl Sulfide	38.83
2	Escitalopram Oxalate	Diparatoluyl D-Tartaric acid	272.14

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height	APCE
1	**Coal fired Boiler:** 1x3 TPH	30 m	Cyclone Separator & Bag Filter
2	**DG Sets:** 1 x 320 kVA	Adequate height	Acoustic Enclosure

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

Details of Water requirement:

S. No.	Purpose	Quantity (KLD)
1	Process	18.16
2	Washings	1.00
3	Boiler Make up	18.00
4	Cooling towers Make up	56.00
5	Scrubbing system	1.00
6	Greenbelt	7.00
7	Domestic	2.00
	Total	**103.16**

Details of Effluent generation, treatment & disposal:

S.No	Unit	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	14.32	5.80	20.12	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	Boiler Blow down	0.00	3.00	3.00	
4	Cooling towers bleed off	0.00	8.00	8.00	
5	Scrubbing system	1.00	0.00	1.00	
6	Domestic	0.00	1.50	1.50	
	Total	15.32	19.30	34.62	

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Details of Solid Waste:

S. No	Name of the waste	Quantity	Disposal Method
Hazardous Waste Details			
1	Organic solid waste (Process Residue)	1710 Kg/Day	Shall be sent to Cement Industries/ TSDF
2	Spent Carbon	70 Kg/Day	
3	Solvent Distillation Residue	438 Kg/Day	
4	ETP Sludge	50 Kg/Day	Shall be sent to TSDF
5	MEE Salts	1701 Kg/Day	
6	Organic distillate from MEE Stripper	310 Kg/Day	Shall be sent to Cement Industries/ TSDF
7	Used Oils	80 Ltrs/Annum	Shall be sent to SPCB Authorized Agencies for Reprocessing/ Recycling
8	Detoxified Containers/ Container liners	300 No's/Month	After Detoxification will be sent to SPCB authorized agencies.
9	Used Lead Acid Batteries	2 No's/Annum	Send back to suppliers for buyback of New Batteries
10	Ash from Boiler	4200 Kg/Day	Shall be sent to Brick Manufacturers

After detailed discussions, the SEAC deferred the project.

Agenda Item No. 16	**M/s.Salicylates and Chemicals Pvt. Ltd., (Formerly known as M/s. Tejashrri Intermediates Pvt. Ltd.) Plot No: 133 to 142, Sy. No.: 239/ Part, Phase-II, Industrial Park, Pashamylaram (V), Patancheru (M), Sangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/152719/2020 (EC)**

The representative of the project proponent Sri C. Jeevan Reddy; and Sri Y.V. Prasad of M/s. Rightsource Industrial Solutions Private limited, attended and made a presentation before the SEAC.

Earlier, the industry submitted application for expansion of the project and the proposal was examined by the SEAC in its meeting held on 28.10.2019 constituted a sub-committee with the following members to inspect the unit and submit a report.

Members of Sub-Committee:
1. Sri P. Radha Krishna
2. Smt. T. Viyaja Lakshmi
3. Sri Ch. Krishna Reddy

Now, the proponent again submitted EC application for proposed expansion keeping in view of the S.O.1223 (E), dt.27.03.2020.

The SEAC noted the provisions of 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. The SEAC noted that the project is located in a notified Industrial Estate prior to 2006.

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

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

The total site area of the unit is 10191.51 Sq.m. Out of which, the area of greenbelt is 3374.88 Sq.m. (33.11%).

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Nearest human habitation is Isnapur (V) @ 1.18 km; Nearest water body is Kotha Cheruvu @ 1.46 km.

Project Cost for proposed expansion is Rs.10.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 107.0 Lakhs and Recurring Cost is Rs. 15.0 Lakhs/annum. Budget for CER is Rs. 10.0 Lakhs.

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

Products:

S. No	Product Name	Quantity (TPA)
1	1, 2 Hexane diol	2.00
2	1, 2 Octane diol	2.00
3	Avobenzone	8.00
4	Benzophenone 3	20.00
5	Benzophenone 4	10.00
6	Capryloyl Salicylic acid	10.00
7	Chlorhexidine Acetate	0.25
8	Chlorhexidine Hydrochloride	0.50
9	Chlorphenesin	25.00
10	Climbazole	5.00
11	Dimethyl iso sorbide	2.00
12	Ethyl hexyl glycerine	2.00
13	Ethylene glycol methyl salicylate	2.00
14	Methyl Salicylate	25.00
15	Salibact (Chlorhexidine undecylenate)	2.00
16	Salicylic acid	15.00
17	Salidinc 20% (Chlorohexidine gluconate 20% solution)	10.00
18	Salisol HS	10.00
19	Salivate CSAP (Sodium L-ascorbic acid 2-phosphate)	2.00
20	Tinosorb S	2.00
21	Trolamine salicylates	1.00
	Total (Any four products will be manufactured at any point of time)	**85.0**

By-products:

S. No	Name of the Product	Name of the By-Product	Quantity (Kg/Day)
1	Benzophenone 3	Methyl bisulfate	345.00
2	Ethyl hexyl glycerine	Methyl formate	44.00
3	Salisol HS	Ammonium sulphate	178.50

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

S. No	Unit	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process	5.91	0.82	6.73	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	3.00	3.00	
3	Boiler Blow down	0.00	3.00	3.00	
4	Cooling towers bleed off	0.00	8.00	8.00	
5	Scrubbing system	3.50	0.00	3.50	
6	Domestic	0.00	7.00	7.00	
	Total	9.41	21.82	31.23	

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height	APCE
1	**Coal fired Boilers:** Existing: 1x1 TPH (Standby) Proposed: 1x3 TPH	30 m 30 m	Cyclone Separator & Bag filters
2	**Coal fired Thermic Fluid Heater:** 1 x 5 Lakh Kcal/ Hr	30m	
2	**DG Sets:** Proposed: 1 x 325 kVA 1 x 500 kVA	Adequate height	Acoustic Enclosure

The process emissions containing Hydrogen Bromide, Sulphur Dioxide & Hydrogen Chloride 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 after expansion:

S. No.	Purpose	Quantity (KLD)
1	Process	5.73
2	Washings	3.00
3	Boiler make up	18.00
4	Cooling towers make up	77.00
5	Scrubbing system	3.50
6	Domestic	8.00
7	Gardening	5.00
	Total	**120.23**

CHAIRMAN, SEAC

Details of Solid Waste after expansion:

S. No	Name of the waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	393 Kg/Day	Shall be sent to Cement Industries/ TSDF
2	Spent Carbon	31 Kg/Day	
3	Solvent Distillation Residue	64 Kg/Day	
4	Inorganic Solid Waste	571 Kg/Day	Shall be sent to TSDF
5	ETP Sludge	20 Kg/Day	
6	MEE Salts	425 Kg/Day	
7	Organic distillate from MEE Stripper	78 Kg/Day	Shall be sent to Cement Industries/ TSDF
8	Used Oils	80 Ltrs /Annum	Shall be sent to SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers/ Container liners	300 No's / Month	After Detoxification will be sent to SPCB authorized agencies.
10	Used Lead Acid Batteries	2 No's/ Annum	Send back to suppliers for buyback of New Batteries
11	Ash from Boiler	4200 Kg/Day	Shall be sent to Brick Manufacturers
12	Ash from Thermo pack boiler	1225 Kg/Day	

The SEAC noted that the sub-committee constituted by the SEAC has not yet submitted the report. Hence, the SEAC informed the same sub-committee to inspect the unit, verify records and submit report on the following:

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

After detailed discussions, the SEAC deferred the project for consideration after receipt of Sub-committee's report.

Agenda Item No. 17	**M/s. RR Laboratories, Plot No: 205 & 206, Phase – II, IDA Pashamylaram, Patancheru (Mandal), Sangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/152686/2020 (EC)**

The representative of the project proponent Sri S.G. Umapathi Rao; and Sri Y.V. Prasad of M/s. Rightsource Industrial Solutions Private limited, attended and made a presentation before the SEAC.

CHAIRMAN, SEAC

Minutes of the SEAC Meeting held on 23.05.2020

Earlier, the industry submitted application for expansion of the project and the proposal was examined by the SEAC in its meeting held on 28.10.2019 constituted a sub-committee with the following members to inspect the unit and submit a report.

Members of Sub-Committee:
1. Sri P. Radha Krishna
2. Sri Suresh
3. Sri Ch. Krishna Reddy

Now, the proponent again submitted EC application for proposed expansion keeping in view of the S.O.1223 (E), dt.27.03.2020.

The SEAC noted the provisions of 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. The SEAC noted that the project is located in a notified Industrial Estate prior to 2006.

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 7800 Sq.m., out of which Green area is 2666.72 Sq.m.(34.1%).

Nearest human habitation is Isnapur (V) @ 1.5 km; Nearest water body is Isnapur Tank @ 460 m.

Project Cost for proposed expansion is Rs.10.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 106.0 Lakhs and Recurring Cost is Rs. 15.0 Lakhs/annum. Budget for CER is Rs. 10.0 Lakhs.

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

Products:

S. No.	Product Name	Quantity (TPM)
1	Azacyclonol	5.00
2	Carvedilol	2.00
3	Cetirizine Dihydrochloride	6.00
4	Chlorphenesin	6.00
5	Domperidone	6.00
6	Donepezil Hydrochloride	2.00
7	Dorzolamide hydrochloride	2.00
8	Escitalopram Oxalate	3.00
9	Fexofenadine Hydrochloride	4.00
10	Fluconazole	3.00
11	Guaifenesin	5.00
12	Itraconazole	3.00
13	Levetiracetam	3.00
14	Nebivolol hydrochloride	2.00
15	Olanzapine	2.00
16	Pantoprazole Sodium	2.00
17	Potassium Phthalimide	5.00
18	Ropinirole Hydrochloride	1.00
	Total	**62.00**

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By-products:

S. No	Name of the Product	Name of the By-Product	Quantity in Kg/Day
1	Domperidone	Ammonium chloride	246.00
		Ammonium sulphate	205.00
		Sodium acetate	231.00
		Sodium Bromide	88.00
2	Donepezil hydrochloride	Dimethyl sulphide	19.50
		Methoxy ethanol	60.00
3	Escitalopram oxalate	Diparatoluyl D-tartaric acid	163.00
4	Olanzapine	Piperazine hydrochloride	36.50
5	Pantoprazole sodium	Sodium di-hydrogen phosphate	55.00

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

S.No.	Utility	Stack Height	APCE
1	**Coal fired Boilers:** Existing: 1x1 TPH (Standby) Proposed: 1x3 TPH	 30 m 30 m	Cyclone Separator & Bag Filter
2	**Diesel fired Thermic fluid heater:** Existing: 1x2 Lakh K.Cal/hr.	 18m	--
3	**DG Sets:** Proposed: 1 x 250 kVA	Adequate Height	Acoustic Enclosure

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

Details of Water requirement after expansion:

S. No.	Purpose	Quantity (KLD)
1	Process & DM Water	15.12
2	Washings	3.00
3	Boiler make up	18.00
4	Cooling towers make up	72.50
5	Scrubbing system	4.00
6	Domestic	3.50
7	Gardening	4.00
	Total	**120.12**

CHAIRMAN, SEAC

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

S. No	Unit	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment Method
1	Process & DM Water Regeneration	15.29	2.09	17.38	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	3.00	3.00	
3	Boiler Blow down	0.00	3.00	3.00	
4	Cooling towers bleed off	0.00	8.50	8.50	
5	Scrubbing system	4.00	0.00	4.00	
6	Domestic	0.00	3.00	3.00	
	Total	**19.29**	**19.59**	**38.88**	

Details of Solid Waste after expansion:

S. No	Name of the waste	Quantity	Disposal Method
1	Organic Solid waste (Process Residue)	2077 Kg/day	Sent to Cement Industries
2	Spent Carbon	55 Kg/Day	Sent to Cement Industries
3	Solvent Distillation Residue	306 Kg/Day	Sent to Cement Industries
4	Mixed Solvents	250 Ltrs/Day	Sent to Cement Industries
5	Inorganic Solid Waste	342 Kg/Day	Sent to TSDF
6	ETP Sludge	20 Kg/Day	Sent to TSDF
7	Organic Distillate from Stripper	630 Kg/Day	Sent To Cement Industries
8	Used Oils	50 Ltrs/Annum	Sent to SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers	600 No's / Month	After Detoxification sent to SPCB Authorized Agencies
10	Used Lead Acid Batteries	2 No's/ Annum	Send back to suppliers for buyback of New Batteries
11	Ash from boiler	4200 Kg/Day	Sent to Brick Manufacturers

The SEAC noted that the sub-committee constituted by the SEAC has not yet submitted the report. Hence, the SEAC informed the same sub-committee to inspect the unit, verify records and submit report on the following:

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

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

After detailed discussions, the SEAC deferred the project for consideration after receipt of Sub-committee's report.

Agenda Item No. 18	**M/s. Bhavyas Pharmaceuticals Pvt. Ltd., Sy. No's.: 367/A/1 & 367/A/3, Pedda Gottimukkla Village, Shivampet Mandal, Medak District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/152610/2020 (EC)**

The representative of the project proponent Sri Naresh; and Sri Y.V. Prasad of M/s. Rightsource Industrial Solutions Private limited, attended and made a presentation before the SEAC.

During presentation, the proponent informed that they have purchased the unit from M/s. Hiranya Laboratories on 19.02.2020. The SEAC also noted that the CFO dt. 23.08.2019 for the existing unit was issued by the TSPCB for manufacturing Piperzine Anhydrous Product (300 kg/day). Now, it is proposed to Bulk Drugs & Intermediates manufacturing unit by ceasing the existing product in the same premises. Hence, the SEAC considered the project as a fresh / Greenfield project.

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 2731.84 Sq.m., out of which Green area is 934.32 Sq.m. (34.2%).

Nearest human habitation is Pedda Gottimukkala (V) @ 0.5 km; Nearest water body is near Pedda Gottimukkla @ 0.66 km; Nearest RF is near Kothapally @ 2.13 km.

Project Cost for proposed expansion is Rs. 5.50 Crores. Budget for Environmental protection towards Capital Cost is Rs. 83.0 Lakhs and Recurring Cost is Rs. 12.0 Lakhs/annum. Budget for CER is Rs. 5.5 Lakhs.

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

Products:

S. No.	Product Name	Quantity(TPM)
1	Amisulpride	2.00
2	Clopidogrel bisulfate	2.00
3	Ethopabate	2.00
4	Fluconazole	2.00
5	Lamotrigine	2.00
6	Levosulpride	2.00
7	Metoclopramide Hydrochloride	2.00
8	PAS Acid (Para Amino Salicylic Acid)	2.00
9	PAS Sodium (Para Amino Sodium Salicylate)	2.00
10	Rabeprazole	2.00
	Total (Any five products will be manufactured at any point of time)	**10.00**

CHAIRMAN, SEAC

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height	APCE
1	**Coal fired Boilers:** Proposed: 1x3 TPH	30 m	Cyclone Separator & Bag Filter
2	**Diesel fired Thermic fluid heater:** Existing: 1x50,000 K.Cal/hr.	Adequate height	--
3	**DG Sets:** Proposed: 1 x 250 kVA	Adequate Height	Acoustic Enclosure

The process emissions containing Hydrogen Iodide, Sulphur Dioxide, Hydrogen Chloride, Hydrogen Iodide & Dimethyl Amine 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:

S. No.	Purpose	Water Input in KLD
1	Process	4.70
2	Washings	1.00
3	Boiler make up	18.00
4	Cooling towers make up	28.00
5	Scrubbing system	1.00
6	Domestic	2.50
7	Gardening	1.50
	Total	**56.70**

Details of Effluent generation, treatment & disposal:

S. No	Unit	HTDS (KLD)	LTDS (KLD)	Effluent Generation in KLD	Treatment Method
1	Process	5.23	0.72	5.95	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	Boiler Blow down	0.00	3.00	3.00	
4	Cooling towers bleed off	0.00	3.00	3.00	
5	Scrubbing system	1.00	0.00	1.00	
6	Domestic	0.00	2.00	2.00	
	Total	**6.23**	**9.72**	**15.95**	

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Details of Solid Waste:

S. No	Name of the waste	Quantity	Disposal Method
Hazardous Waste Details			
1	Organic solid waste	395 Kg/Day	Sent to Cement Industries
2	Spent Carbon	20 Kg/Day	Sent to Cement Industries
3	Solvent Distillation Residue	85 Kg/Day	Sent to Cement Industries
4	Organic distillate from MEE stripper	270 Kg/Day	Sent to Cement Industries
5	Inorganic Solid Waste	234 Kg/Day	Sent to TSDF
6	MEE Salts	561 Kg/Day	Sent to TSDF
7	ETP Sludge	15 Kg/Day	Sent to TSDF
8	Used Oils	50 Ltrs/Annum	Sent to SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers/ Container liners	300 No's / Month	After Detoxification sent to SPCB Authorized Agencies
10	Used Lead Acid Batteries	2 No's/ Annum	Send back to suppliers for buyback of New Batteries
Solid Waste Details			
11	Ash from boiler	4200 Kg/Day	Sent to Brick Manufacturers

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

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

Members of Sub-Committee:
1. Vijaya Laxmi
2. Siva Kumar
Krishna Reddy.

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Minutes of the SEAC Meeting held on 23.05.2020

Agenda Item No. 19	**M/s. Viwyn Pharma Private Limited Sy. No's. 69, 70, Jaikesaram Village, Choutuppal Mandal, yadadri Bhongir District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/153282/2020 (EC)**

The representative of the project proponent Sri Shesha Reddy; and Sri Y.V. Prasad of M/s. Rightsource Industrial Solutions Private limited, attended and made a presentation before the SEAC.

The proponent informed that the existing unit is having its first CFE order dt. 31.03.2006 issued by the APPCB ie., before 2006 and hence, there is no EC. Thus, they have not submitted copy of compliance report.

The SEAC also noted that the proponent is operating the unit with latest CFO dt. 09.05.2017 valid upto 31.12.2021 issued by the TSPCB. Now, the proponent proposed expansion of the project.

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 Ac. 26.97, out of which Green area is Ac. 9.40 (34.8%).

Nearest human habitation is Sarinenigedem (V) @ 0.42 km; Nearest water body is Ramasamudram Cheruvu @ 1.22 km; Nearest RF is RF near Chinna Kodur @ 6.69 km.

Project Cost for proposed expansion is Rs. 8.8 Crores. Budget for Environmental protection towards Capital Cost is Rs. 272.0 Lakhs and Recurring Cost is Rs. 30.0 Lakhs/annum. Budget for CER is Rs. 8.80 Lakhs.

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

Products:

S. No	Product Name	Quantity in MT/Month
	DRUG INTERMEDIATES	
1	(S)-2-Aminobutanamide Hydrochloride	50.00
2	4-(3,4-Dichlorophenyl)-1-Tetralone	50.00
3	4-Nitro-3,5-Dimethyl pyridine –N-Oxide	50.00
4	7-Amino Des Acetoxy Cephalosporanic Acid (7-ADCA)	50.00
5	D (-) Phenyl Glycine Methyl Ester Hydrochloride	80.00
6	D (-)-4-Hydroxy Phenyl Glycine Methyl Ester	50.00
7	N-(2-Amino4,6-Dichloro-5-pyrimidinyl)-formamide (FADCP)	50.00
8	N,N - Carbonyl diimidazole (CDI)	20.00
9	Triphenyl Phosphine	50.00
Total (We will be manufacture any three intermediates at any given point of time)		**180.00**

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S. No	Product Name	Quantity in MT/Month
BULK DRUGS		
1	Abacavir	30.00
2	Ciprofloxacin HCl	30.00
3	Dextromethorphan Hydrobromide	30.00
4	Fexofenadine hydrochloride	30.00
5	Hydroxy Chloroquine Sulfate	30.00
6	Lamivudine	30.00
7	Lopinavir	30.00
8	Losartan Potassium	30.00
9	Nevirapine	30.00
10	Olmesartan	30.00
11	Telmisartan	30.00
12	Valsartan	30.00
13	Zidovudine	30.00
Total (We will be manufacture any five drugs at any given point of time)		150.00
Grand Total		**330.00**

By-products:

S. No	Name of the Product	Name of the By-Product	Quantity in Kg/Day
1	(S)-2-Aminobutanamide Hydrochloride	Ammonium chloride	812.70
2	7-Amino Des Acetoxy Cephalosporanic Acid (7-ADCA)	Potassium acetate	1201
		Spent sulfuric acid	2000
		Phenyl acetic acid	1231.70
3	N,N - Carbonyl diimidazole (CDI)	Tributyl amine hydrochloride	4053.10
4	N-(2-Amino4,6-Dichloro-5-pyrimidinyl)-formamide (FADCP)	Ethanol	1126.50
		Phosphoric acid	872.20
5	Abacavir	Disodium tartarate	894.20
6	Ciprofloxacin hydrochloride	Sodium acetate	575.70
		Piperazine hydrochloride	457.00
		Ammonium acetate	258.70
7	Fexofenadine hydrochloride	Boric acid	155.26
		Sodium methoxide	135.66
8	Hydroxy chloroquine sulfate	Phosphoric acid	367.80
9	Lamivudine	Triethylamine	605.45
		Boric acid	332.90
		L-Menthol	841.40

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10	Lopinavir	Benzyl alcohol	574.5
		Monosodium citrate	2116.02
		Potassium chloride	920.64
		Boric acid	242.96
11	Losartan potassium	Succinamide	326.30
		Trityl alcohol	746.22
		Sodium bromide	294.92
12	Telmisartan	Sodium Bromide Sodium acetate	258.30 181.10
13	Valsartan	Potassium chloride	242.80
		Potassium Bromide	387.60
14	Zidovudine	Triethylamine hydrochloride	1933.62
		Benzene sulfonic acid	680.44

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

S.No.	Utility	Stack Height	APCE
1	**Coal fired Boilers:** Existing: 1 x 2 TPH (Standby) Proposed: 1 x 5 TPH 2 x 4 TPH	 30 m 30 m 30 m	Cyclone Separator & Bag Filter
2	**Diesel fired Thermic fluid heater:** Existing: 1x2 Lakh K.Cal/hr.	 11m	--
3	**DG Sets:** Existing: 1 x 250 kVA Proposed: 2 x 500 kVA	Adequate Height	Acoustic Enclosure

The process emissions containing Hydrogen Bromide, Sulphur Dioxide, Hydrogen Chloride, Dimethylamine & Ammonia are to be routed through Multi Stage Scrubber system. The process emissions containing derivatives of Nitrogen & Oxygen are to be safely dispersed into the atmosphere. Further, the process emissions containing derivatives of Hydrogen are to be safely dispersed into the atmosphere through water column. The proponent informed that they propose to solidify the Carbon dioxide.

Details of Water requirement after expansion:

S. No.	Purpose	Water Input in KLD
1	Process	107.43
2	Washings	12.00
3	Boiler make up	76.00
4	Cooling towers make up	98.00
5	Scrubbing system	25.00
6	Domestic	5.50
7	Gardening	56.50
	Total	**380.43**

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

S. No	Unit	HTDS in KLD	LTDS in KLD	Effluent Generation in KLD	Treatment Method
1	Process	110.25	8.17	118.42	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	12.00	12.00	
3	Boiler Blow down	0.00	11.00	11.00	
4	Cooling towers bleed off	0.00	9.50	9.50	
5	Scrubbing system	25.00	0.00	25.00	
6	Domestic	0.00	5.00	5.00	
	Total	**135.25**	**45.67**	**180.92**	

Details of Solid Waste after expansion:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste (Process Residue)	14842 Kg/Day	Shall be sent to Cement Industries
2	Spent Carbon	303 Kg/Day	Shall be sent to Cement Industries
3	Solvent Distillation Residue	2168 Kg/Day	Shall be sent to Cement Industries
4	Inorganic Solid Waste	5531 Kg/Day	Shall be sent to TSDF
5	ETP Sludge	150 Kg/Day	Shall be sent to TSDF
6	MEE Salts	11605 Kg/Day	Shall be sent to TSDF
7	Spent mixed solvents	6575 Ltrs/Day	Shall be sent to Cement Industries/TSDF
8	Organic distillate from MEE Stripper	2920 Kg/Day	Shall be sent to Cement Industries
9	Used Oils	150 Ltrs/Annum	Shall be sent to SPCB Authorized Agencies for Reprocessing/ Recycling
10	Detoxified Containers	1500 No's / Month	After Detoxification will be sent to SPCB Authorized Agencies
11	Used Lead Acid Batteries	4 No's/ Annum	Send back to suppliers for buyback of New Batteries
12	Coal ash from boiler	14000 Kg/Day	Will be sent to Brick Manufacturers

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

i) Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
ii) Project modification

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

Members of Sub-Committee:
1. Sri Vijaya Kumar
2. Sri Suresh
Krishna Reddy

Agenda Item No. 20	**M/s. SHREE JAYA LABORATORIES PVT. LTD. Sy No: 299 & 299/AA, Malkapur Village, Choutuppal Mandal, Yadadri Bhongir District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/IND2/153284/2020 (EC)**

The representative of the project proponent Sri V. Vishnu Murthy; and Sri Y.V. Prasad of M/s. Rightsource Industrial Solutions Private limited, attended and made a presentation before the SEAC.

The proponent informed that the existing unit is having its first CFE order dt. 06.03.2006 issued by the APPCB ie., before 2006 and hence, there is no EC. Thus, they have not submitted copy of compliance report.

The SEAC also noted that the proponent submitted copy of CFO dt. 31.08.2018 issued by the TSPCB valid upto 31.01.2021.

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 35902.47 Sq.m., out of which Green area is 12161.74 (33.87%).

Nearest human habitation is Hyderpur (V) @ 1.7 km; Nearest water body is Chinna Musi River @ 4.4 km; Nearest RF is Malkapuram RF Block-I @ 0.33 km.

Project Cost for proposed expansion is Rs. 30.0 Crores. Budget for Environmental protection towards Capital Cost is Rs. 214.0 Lakhs and Recurring Cost is Rs. 24.0 Lakhs/annum. Budget for CER is Rs. 30.0 Lakhs.

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

Products:

S.No.	Name of The Product	Quantity in MT/Month
1	Amlodipine Besylate	5.00
2	Benzyl Magnesium chloride	10.00
3	Bilastine	5.00

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4	Butyl Magnesium Chloride	10.00
5	Candesartan cilexetil	1.00
6	Celecoxib	5.00
7	Doxylamine Succinate	0.50
8	Duloxetine hydrochloride	5.00
9	Eletriptan	0.50
10	Esomeprazole Magnesium Trihydrate	5.00
11	Etoricoxib	5.00
12	Hydroxychloroquine sulfate	5.00
13	Ivacaftor	0.10
14	Loperamide hydrochloride	2.00
15	Metformin hydrochloride	38.10
16	Montelukast sodium	3.00
17	N,N-Dimethyl propyl magnesium chloride	20.00
18	Omeprazole	50.00
19	Paliperidone	0.50
20	Pantoprazole sodium	25.00
21	Pimavanserin tartarate	0.10
22	Risedronate sodium penta hemihydrate	0.50
23	Risperidone	0.50
24	Ritonavir	3.00
25	Sitagliptin	5.00
26	Sodium cromoglycate	2.00
27	Sumatriptan succinate	1.00
28	Tamsulosin hydrochloride	0.50
29	Telmisartan	3.00
30	Teneligliptin hydrobromide hydrate	3.00
	Total	**214.3**

By-products:

S. No	Name of the Product	Name of the By-Product	Quantity in Kg/Day
1	Candesartan cilexetil	Triethylamine hydrochloride	15.00
		Sodium bromide	33.50
2	Duloxetine hydrochloride	Oxalic acid	55.00
3	Eletriptan	Triethylamine hydrochloride	15.00
4	Etoricoxib	Morpholine	76.20
5	Linezolid	Imidazole	108.00
6	Lumacaftor	Triethylamine hydrochloride	7.00
7	N,N-Dimethyl propyl Magnesium chloride	Sodium bromide	699.00

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8	Omeprazole	Sodium Nitrate	814.00
		Sodium Sulphate	1675.50
		Ammonium chloride	908.00
9	Palbociclib	Sodium bromide	2.00
10	Pantoprazole Sodium	Potassium sulphate	812.00
		Ammonium phosphate	342.00
		Ammonium chloride	298.00
11	Pregabalin	Ammonium chloride	429.00
12	Sitagliptin	Propylene carbonate	92.50
13	Sumatriptan succinate	Sodium bromide	14.00
		Potassium phosphate	90.00

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

S.No.	Utility	Stack Height	APCE
1	**Boilers:** Existing: 1x3 TPH 1x6 TPH Proposed: 1x10 TPH	 30 m 30 m 36m	Cyclone Separator & Bag Filter
2	**DG Sets:** Existing: 1 x 500 kVA Proposed: 1 x 1000 kVA	Adequate height	Acoustic Enclosure

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

Details of Water requirement after expansion:

S. No	Purpose	Water Input in KLD
1	Process	35.57
2	Washings	7.00
3	Boiler make up	59.00
4	Cooling towers make up	161.00
5	Scrubbing system	7.50
6	Domestic	18.00
7	Gardening	16.00
	Total	**304.07**

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

Unit	HTDS KLD	LTDS KLD	Effluent Generation in KLD	Treatment Method
Process	38.05	6.80	44.86	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.
Washings	0.00	7.00	7.00	
Boiler Blow down	0.00	8.50	8.50	
Cooling towers Bleed off	0.00	17.50	17.50	
Scrubbing system	7.50	0.00	7.50	
Domestic	0.00	17.00	17.00	
Total	**45.55**	**56.8**	**102.36**	

Details of Solid Waste after expansion:

S. No	Name of the Hazardous Waste	Quantity	Disposal Method
1	Organic solid waste	6693 Kg/Day	Shall be sent to Cement Industries
2	Spent Carbon	90 Kg/Day	Shall be sent to Cement Industries
3	Solvent Distillation Residue	762 Kg/Day	Shall be sent to Cement Industries
4	Inorganic Solid Waste	870 Kg/Day	Shall be sent to TSDF
5	ETP Sludge	80 Kg/Day	Shall be sent to TSDF
6	MEE Salts	4012 Kg/Day	Shall be sent to TSDF
7	Organic distillate from MEE Stripper	1540 Kg/Day	Shall be sent to Cement Industries
8	Used Oils	300 Ltrs/Annum	SPCB Authorized Agencies for Reprocessing/ Recycling
9	Detoxified Containers/ Container liners	800 No's / Month	After Detoxification sent to SPCB authorized agencies.
10	Used Lead Acid Batteries	4 No's/ Annum	Send back to suppliers for buyback of New Batteries
11	Coal ash from boiler	14000 Kg/Day	Will be sent to Brick Manufacturers

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

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

Members of Sub-Committee:

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1. Sri Vijayakarnati
2. Sri Suresh Krishna Reddy

Agenda Item No. 21	**4.0 Ha. Rough Stone & Road Metal Quarry of Sri Mandadi Nageshwar, Sy. No. 22 (G.L), Narsimhulagudem H/o Repala (V), Munagala (M), Suryapet District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/134742/2020 (EC)**

Earlier, the SEIAA in its meeting held on 13.05.2020 and decided to refer back the proposal to the SEAC to ascertain the facts on complaint dt.17.03.2020 received from Sri G. Veeraiah & 4 Others.

The SEAC noted the decision of the SEIAA. After detailed discussions, the SEAC decided to constitute a Sub-Committee with the following members to inspect the unit, verify records and ascertain the facts on complaint dt.17.03.2020 received from Sri G. Veeraiah & 4 Others.

Agenda Item No. 22	**2.00 Ha. Corundum Mine of M/s. M.K.Minerals, Sy. No. 858/A/1/2/1, 858/A/1/2/2, 858/AA/10 & 858/LU/5/2/3(P.L) of Eerlapudi (V), Raghunadhapalem (M), Khammam District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/36698/2019 (EC)**

Earlier, the SEIAA in its meeting held on 15.05.2020 and decided to refer back the proposal to the SEAC to ascertain the aerial distance (as crow flies) from the boundry of mine lease area to the nearest human habitation.

The SEAC noted the decision of the SEIAA. During the meeting, the Sub-Committee constituted by the SEAC informed that the distance mentioned in their report is the Aerial distance

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

Agenda Item No. 23	**4.654 Ha. Quartz and Feldspar of Sri P.Kathal, Sy.No 97, Salarpur (V), Kadthal (M), Rangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/140737/2020 (EC)**

Earlier, the SEIAA in its meeting held on 21.05.2020 and decided to refer back the proposal to the SEAC for obtaining NOC from the concerned DFO of Forest Department.

The SEAC noted the decision of the SEIAA. After detailed discussions, the SEAC decided to inform the proponent to submit a copy of NOC from the concerned DFO of Forest Department.

Agenda Item No. 24	**2.0 Ha. Building Stone & Road Metal of M/s. Sri Molugu Gal Reddy, Survey No. 83, Achampet (V), Yeldurthy (M), Medak District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/39648/2019 (EC)**

Earlier, the SEIAA in its meeting held on 21.05.2020 and decided to refer back the proposal to the SEAC for obtaining NOC from the concerned DFO of Forest Department.

The SEAC noted the decision of the SEIAA. After detailed discussions, the SEAC decided to inform the proponent to submit a copy of NOC from the concerned DFO of Forest Department.

Agenda Item No. 25	**2.87 Ha. Rough Stone Quarry of M/s. Vikesh Metal Industries, Survey No.155, Khajipally (V), Jinnaram (M), Sangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/33468/2019 (EC)**

Earlier, the SEIAA in its meeting held on 21.05.2020 and decided to refer back the proposal to the SEAC for obtaining NOC from the concerned DFO of Forest Department.

The SEAC noted the decision of the SEIAA. After detailed discussions, the SEAC decided to inform the proponent to submit a copy of NOC from the concerned DFO of Forest Department.

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Agenda Item No. 26	**1.0 Ha. Black Granite Mine of Sri P. Krishna Reddy, Survey No. 123, Ennaram Village, Ramanapet Mandal, Yadadri Bhuvanagiri District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/45295/1900 (EC)**

Earlier, the SEIAA in its meeting held on 21.05.2020 and decided to refer back the proposal to the SEAC to ascertain position of stream in the mine lease area and impacts of the proposed project on stream, if any.

The SEAC noted the decision of the SEIAA. After detailed discussions, the SEAC decided to inform the same Sub-Committee constituted earlier to submit report on Stream.

Agenda Item No. 27	**"NSL EAST COUNTY" by M/s. NSL (Hyderabad) Pvt. Ltd., Plot No.6, Survey No. 1 situated at IDA Uppal, Hyderabad - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/NCP/48172/2018 (TOR)**

Earlier, the SEAC constituted a sub-committee to inspect the site and submit report on present status of the project, EMP measures, impacts, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 08.02.2020 and submitted the report. The following observations were made by the sub-committee members:

It is an expansion project of Residential Building Arena Town. The proponent proposed expansion of the project with another tower(Tower-2) in the name of East County in the land adjacent to Tower-1.

The total built-up area after expansion is 2,13,133.12 Sq.mt and applied for EC for proposed expansion of 1,12,142.2 Sq.mt.The EC required for 3 cellars + stilt + 26 floors.

The present status of the project is that the Tower-1 is under construction.

Tower-2 is proposed for expansion with total number of flats of 468, 78(4BHK) and 390(3BHK) with an estimated cost of 220 crores, adjacent to Tower-1.

STP of 400 KLD capacity of SBR Technology was proposed to meet the expansion of the project.

It is advised that care must be taken for green area, parking and open area to meet the proposed expansion of the project as per norms.

EC may be recommended subject to the compliance of the conditions proposed in the presentation to the SEAC committee.

The SEAC examined the report of the Sub-Committee and after detailed discussions, the SEAC directed the proponent is to prepare EIA report as per the Standard Terms of Reference (TORs) issued by the MoEF&CC, GoI available in their website viz.,www.moef.nic.in, under "8(b) Townships & Area Development Projects" and submit EIA report to the SEAC for appraisal.

Agenda Item No. 28	**"Tech Park" by M/s. Innovative Constructions, Sy.No. 322 and 323, Puppalaguda (V), Gandipet (M), Rangareddy District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIS/134138/2019 (EC)**

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Earlier, the SEAC in its meeting held on 18.02.2020 constituted a sub-committee to inspect the site and submit report on present status of the project.

The Sub-Committee constituted by the SEAC inspected the site on 19.03.2020 and submitted the report. The following observations were made by the sub-committee members:

*The project is spread over an area of **1.4166 ha** in Survey Nos. 322 and 323, Puppalaguda, Gandipet Mandal, Ranga Reddy District into Commercial office Construction project. The site is surrounded open lands all the directions. An existing 30 m wide in West direction connecting ISB road and financial district.*

Built Up Area Statement

Land Use	*No. of floors*	*Total Site Area (m^2)*	*Built up area (m^2)*		
			Parking	*Office*	*Total*
Tower	*4B+G+11*	*6041.0*	*48966.3*	*84044.4*	*133010.7*
Surface parking		*1449.6*			
Green area		*1526.8*			
Road area		*2904.6*			
Open area		*2112.8*			
Services Area		*131.9*			
Total		***14166.5***	***48966.3***	***84044.4***	***133010.7***

Present status of the project:

Construction not started. Images showing present status of the project are enclosed.

Recommendation:
No construction activity was found. Based on the above reasons, the EC maybe granted.

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

Agenda Item No. 29	**1.686 Ha. Colour Granite Mine of M/s. Srinivasa Granites, Survey. No. 293, Asifnagar Village, Kothapally Mandal, Karimnagar District - Environmental Clearance - Reg.**
Proposal No.	**SIA/TG/MIN/43041/2019 (EC)**

Earlier, the SEAC in its meeting held on 24.01.2020 constituted a sub-committee to inspect the site and submit report on submit report on present status of the project, impacts of the project on the nearest Village and surrounding environment, adequacy of EMP measures proposed, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 04.03.2020 and submitted the report. The following observations were made by the sub-committee members:

1. ***Present status of the mine***

The proposed mining site is a private land owned by the proponent himself and it is located in Survey No. 293 of Asifnagar village, Kothapally Mandal in Karimnagar district.

There are nine mine leases within the 500 M radius surrounding the proposed mine. But, except the one lease of M/s Laxmi Granites, which had obtained EC through letter no. 1276/DEIAA/KNR/17-2 dated 27.06.2018, the rest of them were all granted ECs much before 2016. Besides, including this ongoing minewith an area of 1.904 ha and the proposed mine area of 1.686 ha by the proponent, the total area put together is coming to 3.59 ha only. Therefore, this mine does not attract the Cluster guidelines.

The mining activity has not yet started at the proposed land. The pictures of the site taken during the visit are inserted in the report elsewhere below.

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2. ***Impacts of the project on the nearest Village and surrounding environment***

The nearest village to the proposed site is NTR Tamil Colony, which was found to be about 295 M away (Fig. No.1). Since the proponent proposes to follow the wire-saw method of mining and various EMP measures, there may be minimum damage to the village and surrounding environment.

Green belt development

The site is sparsely covered by very small bushes here and there and there is good extent of plain area available between the nearby BT road and the mining site where greenbelt plantation can be taken up. Besides, green belt plantation has to be taken up in 7.5 M all around the mine sitewith multiple tree species to arrest the dust and protect the local environment.

1. ***Adequacy of EMP measures***

The measures under EMP that were shared during the presentation and later during the field visit were found to be adequate if they would be implemented as envisaged during the mining activity.

4. ***Environmental measures/ Additional TORs to be taken up by the Proponent:***

a) Mining method should be non-blasting, wire-saw method.
b) Construction of the garland drainswith settling pond on the periphery all around the mining site.
c) Protect as much existing vegetation as possible at the site with due care while mining and develop a green belt of7.5 M width around the mining site as per the norms.
d) Install the air pollution equipment and sprinkling of water to contain the dust generated during the mining operations.

Recommendations:

In view of the above observations, Environmental Clearance may be given to the projectwith above conditions and subject to the compliance of the norms and guidelines.

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

CHAIRMAN, SEAC