

**MINUTES OF THE 79th MEETING OF
STATE EXPERT APPRAISAL COMMITTEE,
(SEAC), TELANGANA STATE
HELD ON 10.09.2020, 10:30 A.M.**

Minutes of the SEAC Meeting held on 10.09.2020

MINUTES OF THE 79th MEETING OF STATE EXPERT APPRISAL COMMITTEE (SEAC) HELD ON 10.09.2020 AT TSPCB, PARYAVARAN BHAVAN, A-3, I.E., SANATHNAGAR, HYDERABAD.

The following members were present:

S. No.	Name of the Expert	Position
1.	Prof.Ch.Krishna Reddy, H.No: 2-2-20/L/7, #401. Golden towers – II, Raja Rajeshwari BLPG, D.D. Colony, Hyderabad. Ph: 9866629265	Chairman.
2.	Dr.(Ms)Thatiparthi Vijayalakshmi Plot No.110, Siddartha Nagar, S.R. Nagar Post, Hyderabad-500038. Ph: 9440896661	Member
3.	Shri Ravindra Samaya Mantri H.No: 3-5-44/1, Flat No. 301, Areadia Apartments, Edengaden Road, Hyderabad- 500001. Ph:9491145160	Member
4.	Shri Suresh, B-106, Vertex prime, Nizampet Road, Kukatpalli, Hyderabad. Ph: 9177037785	Member
5.	Dr.Vemula Vinod Goud, H.No. 6-156, Sridurga Estates, Deepthisri Nagar, Madinaguda, Hyderabad-500049. Ph:9440386945	Member
6.	Prof.C.Venkateshwar, Department of Botany, University College of Science. OU. Hyd. Flat No. 117, 'C' Block, Janapria castle, Ramnagar, Vidyanagar – Hyderabad Ph:9440487742 & 8096754604	Member

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

Minutes of the SEAC Meeting held on 10.09.2020

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 10.09.2020.

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

Minutes of the SEAC Meeting held on 10.09.2020

Agenda Item No. 01	“Fulfillment Center @ RGIA” by M/s. GMR Hyderabad Aerotropolis Limited (GHAL), Survey No. 99/1, Mamadipalli, Balapur Mandal, Ranga Reddy District - Amendment to Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/134418/2019 (MODI-EC)

Earlier, the SEIAA in its meeting held on 18.07.2020 referred back the proposal to the SEAC, as the parking area is inadequate as per G.O.Ms.No.168, dt.07.04.2012.

The SEAC noted the decision of the SEIAA. The SEAC also noted that the proponent submitted justification on the parking area. The details are as following:

Total builtup area	56,663.0 Sq.m.
Parking area required as per G.O. Ms.No.168, dt.07.04.2012.	12,465.86 Sq.m. (22%)
Parking area provided in the project	16,495.9 Sq.m. (29.11%)

It is observed from the above table that the proponent has provided parking area (29.11%) more than the required parking area (22%) as per G.O. Ms.No.168, dt.07.04.2012.

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

Agenda Item No. 02	Phoenix Living Spaces Pvt. Ltd. (Earlier, Phoenix Infocity Pvt. Ltd.) (Expansion of Residential cum Hotel cum Office Complex) Sy. No. # 27/1, 27/2, 27/3 & 27/4, Nanakramguda Village, Serilingampally Mandal, Rangareddy District - Environmental Clearance (Expansion) - Reg.
Proposal No.	SIA/TG/MIS/46499/2019 (EC)

Earlier, the SEIAA in its meeting held on 28.07.2020 referred back the proposal to SEAC for ascertaining the enhanced built up area and revised parking w.r.t. IT Building as per G.O.Ms.No.168, dt.07.04.2014.

The SEAC noted the decision of the SEIAA.

The SEAC observed that the total builtup area of the project is 2,03,669.47 Sq.m. (1,42,337.72 Sq.m. + 61,331.75 Sq.m.). The SEAC also observed that the details of parking area are as following:

Building	Usable Builtup area	Required parking area as per G.O.168	Parking area provided
IT building	26,757.00	14716.35 (55%)	17,759.62
Residential - 1	30,538	6718.36 (22%)	10,177.48
Residential - 2	48,542	10679.24 (22%)	16,218.60
Office building	19,780.54	6527.57 (33%)	8,763.20
Hotel	14,927.39	4926.03 (33%)	6,614.50
Club house (residential complex)	1,792.79	591.62 (33%)	1,798.35
Surface parking area			3425.19
Total	1,42,337.72	44159.18	64,756.94

It is noted from the above table that the parking area required as per G.O.Ms.No.168 is 44,159.18 Sq.m. But, the proponent has provided 64,756.94 Sq.m. (i.e., 61,331.75 Sq.m. in the Basements & Stilt and 3,425.19 Sq.m. as surface parking area), which is more than the required parking area.

In view of the above, the SEAC recommended the project for issue of EC.

Minutes of the SEAC Meeting held on 10.09.2020

Agenda Item No. 03	M/s. APR Projects, Sy. Nos. 232/A1, 232/A2, 232/A4, 232/A3, 232/C, 232/H2, 232/H4, 233/P, 234P, 235P, 236P, 237/A, 237/B, 238/B, 238/A2, 238/A1/2, 239/P, 240/P, 240/B, 241/A, 241/B, 241/C, 241/LU/1, 241/G, 242/A3, 242/C, 242/E1, 242/E2, Patancheru (V&M), Sangareddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/114014/2019 (EC)

Earlier, the SEIAA in its meeting held on 07.08.2020 decided to referred back the proposal to SEAC for obtaining clear layout plan from the proponent duly marking the observations made by the NOC Committee inspection on water bodies meeting held on 30.10.2019 along with an undertaking that they would abide by the provisions under G.O.Ms.No.168, dt.07.04.2012 of MA&UD Department.

The SEAC noted the decision of the SEIAA. The SEAC also noted that the proponent submitted layout plan duly marking the observations made by the NOC Committee inspection on water bodies meeting held on 30.10.2019; and Undertaking that they will abide by the provisions under G.O.Ms.No.168, dt.07.04.2012 of MA&UD Department.

In view of the above, the SEAC again recommended the project for issue of EC.

Agenda Item No. 04	4.00 Ha. Black Granite Quarry of M/s. Kalidindi Granites, Sy. No. 147, Irigantipally (V), Kanagal (M), Nalgonda District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIN/41858/2019 (EC)

Earlier, the SEIAA in its meeting held on 28.07.2020 referred back the proposal to SEAC for ascertaining the exact distance w.r.t. human habitation, pond (aerial distance) & discrepancies in water consumption for the proposed project.

The SEAC noted the decision of the SEIAA. The SEAC noted that the total water requirement was earlier mentioned as 4.0 KLD instead of 4.2 KLD inadvertently due to oversight. The same was also verified in the Parivesh. The sub-committee constituted by the SEAC reported that the distance of proposed quarry from nearest human habitation i.e., Irigantipally (V) is 0.75 km and nearest water body (Pond) is 90 mts.

In view of the above the SEAC again recommended the project for issue of EC.

Agenda Item No. 05	1.659 Ha. Colour Granite Mine of M/s. G.B.R MINERALS PVT. LTD., Sy. No. 323, Asifnagar Village, Kothapally Mandal, Karimnagar District. - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIN/43500/2018 (TOR)

Earlier, the SEIAA in its meeting held on 18.06.2020 referred back to SEAC with correct proposal No. for considering issue of TOR.

The SEAC noted that the project is for Colour Granite Mine with Mine Lease Area of 1.659 Ha. It is noted that the proponent obtained EC from the SEIAA, AP vide order dt. 29.11.2012 for mining 3400 m³/annum of Colour Granite. The proponent informed that the proposal is for enhancement of production capacity of the project from 3,400 m³/annum to 18,076 m³/annum of Colour Granite. The proponent submitted a copy of Certified Compliance Report dt. 04.07.2017 issued by the Regional Office, MoEF&CC, Gol, Chennai. In the report, it was reported that the proponent 'exceeded the production from the year 2013-14 onwards continuously upto 2016-17' without obtaining prior EC for expansion.

After detailed discussions, the Committee confirmed the project as a case of violation of the EIA Notification, 2006 and hence decided to consider the project in the terms of the provisions of the S.O.No.804 (E) dt.14.03.2017 and S.O.1030 (E), dt.08.03.2018 issued by the MoEF&CC, GoI. The SEAC recommended to issue **Standard Terms of Reference (TOR)** issued by the MoEF&CC, GoI along with the following **Specific Terms of Reference** and to conduct the **public hearing**, for undertaking EIA and preparation of Environmental Management Plan (EMP).

Specific Terms of Reference:

- (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC (if Credible Action was not initiated).
- (ii) The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the SEAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.
- (iii) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- (iv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- (v) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- (vi) One season base line data is to be collected and reported in the EIA/EMP report.
- (vii) Funds allocation for Corporate Environment Responsibility (CER) shall be made as per O.M. dt.01.05.2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in the EIA/EMP report.
- (viii) Detailed hydrological study to be carried out in core and buffer zone of the project as per recent GEC guidelines 2015.
- (ix) The project proponent shall undergo the process of public hearing in consultation with the TSPCB, as per EIA notification, 2006 and its subsequent amendments. The project proponent shall include commitments made by the project proponent on issues raised during Public hearing in a tabular form in the EIA/EMP report.
- (x) The project proponent shall give an Undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dt. 02.08.2017 in Writ Petition (Civil) No. 114 of 20 14 in the matter of Common Cause versus Union of India and Ors. before grant of ToR/ EC, as per OM dt.30.05.2018. The Undertaking inter-alia includes Commitment of the project proponent not to repeat any such violation in future.
- (xi) In case of violation of above undertaking by the project proponent, the ToR/Environmental Clearance shall be liable to be terminated forthwith.
- (xii) State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

Minutes of the SEAC Meeting held on 10.09.2020

Agenda Item No. 06	8.09 Ha. Quartz & Feldspar Mine of M/s. Sri Sai Mines & Minerals, Sy. No. 343/1, Jagathpally Village, Peddamandadi Mandal, Wanaparthy District. – Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIN/43511/2019 (TOR)

Earlier, the SEIAA in its meeting held on 18.06.2020 refer back to SEAC with correct proposal No. for considering issue of TOR.

The SEAC noted the decision of SEIAA. The SEAC decided to inform the proponent to submit willingness letter for attending the SEAC meeting for consideration of proposal.

Agenda Item No.07	9.90 Ha. Rough Stone & Road Metal Sand Mine of Sri M.Koteswara Rao, Survey No. 345 Girmapur Village, Medchal Mandal, Medchal-Malkajgiri District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIN/49678/2020 (TOR)

Earlier, the SEIAA in its meeting held on 18.07.2020 referred back the proposal to the SEAC for obtaining NOC from the concerned DFO of Forest Department.

The SEAC noted the decision of the SEIAA and decided to inform the proponent to obtain and submit NOC from the concerned DFO of Forest Department.

Agenda Item No. 08	0.404 Ha. (Ac. 1.00 Gts.) Fullers Earth Quarry of Sri Kalva Mahender Rao, Sy. No. 37/A2/1/2, Allipur (V), Dharur (M), Vikarabad District – Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIN/43397/2019 (EC)

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

The Sub-Committee constituted by the SEAC inspected the site on 11.02.2020 and submitted the report. The following observations were made by the sub-committee members:

1. **PRESENT STATUS OF THE PROJECT:** Type of Land: It is Patta land, and the documents were correct, presently there is no mine activity at the mine lease area. There no proposed activity.
2. **LEASE GRANT:** The lease granted by Deputy Director of mines and Geology, Hyderabad Vide notice No. 2360/QL/Tandur/2016, Dated 04/01/2019. Mining plan approved by director of Mines and Geology, Hyderabad, vide letter no.597/QP/VKB2019, dated 30/03/2019. The lease grant period is 10 years.

II. Existence of streams and water body in mine lease area,

3. There are no any dried or wet streams present in the site area, 1. There is no cropping is going on in the site area. One water body is present 50 meters away from the patta land and the FTL letter given by B. Sunder, B. Tech, Executive Engineer I & CADD, I.B Division, Vikarabad. Lr.NoDB/HD/IBD/VKB/2020-21/15. Dated. 11/05/2020, The authorities have declared that the patta land Sri Kalva Mahenher Rao is not falling neither in FTL nor in buffer zone boundaries. The fuller earth quarry is for away by 40-50mts from the FTL of new Tank. Hence they have permitted to do excavation of Fuller Earth over on extent of Ac 1.00 Gts in Sy.no.37/A2/1/1(PL) is permitted by leave the buffer zone of 30Mts from the FTL boundary.

The other water bodies within 10Kms radius are 2. Pedda Vagu-7.5 Km, 3. Pirla Katwa-7.9 km, 4.Mulamada Vagu-6.6 Km, 5.Kotepally Reservoir- 6.0 Km.

III. Site Location/Boundaries/ Human Habitation/ Etc: The distance between the mine boundary to the nearest village is 0.84 Km (840Mts) While doing the mine excavation activity, the dust will not rise, because the fuller earth is a always wet/mud form. If any dust rising occur it will be controlled by using water sprinkling is proposed, but to stop the outgoing dust, massive green belt plantation is essential along the boundary of the quarry mining site along with garland and siltation pond are compulsory requirements.

4. **Road connectivity:** Pakka metal road exists up to the mining area that is Allipur Village. Much big tree plantation is needed; further the road must be maintained well by the proponent so that the dust should not prevail.

IV. FOREST BOUNDARIES WITH IN 10KM RADIUS:

Nearly nine forests are there in 10 km radius from the mine lease area. 1.Anatgiri R.F-2.2Km., 2.Madan Palli R. F-3.1 Km., 3.Ghatkondapur R.F-5.0Km., 4.Chintakunta R. F-5.7Km., 5. Dharur R.F-

V. IMPACT OF THE MINING: The impact of dust on human habitation will not be there because the proponent promised to maintain massive green belt, in addition to that frequent watering at the mine site is also promised. However there is no mining effect on the nearby villages and also water bodies, it is therefore the **Environmental Clearance may be issued.**

The SEAC examined the report of the Sub-Committee and noted that the proposed mine lease area is located at a distance of 840 mts from nearest human habitation and nearest water body (Tank) is at a distance of 40 mts to 50 mts from the FTL of the tank. However, the mine lease area is not falling neither in FTL nor in buffer zone boundaries, as per the NOC of the I&CAD Dept.

After detailed discussions, the SEAC forwarded the project for taking decision on issue of EC.

Agenda Item No. 09	3.0 Ha. Colour Granite Mine of M/s. Salma Minerals, Sy. No. 899, Konasamundar (V), Kammarpally (M), Nizamabad District – Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIN/42112/2019

Earlier, the SEAC in its meeting held on 10.01.2020 constituted a sub-committee inspect the site, and submit report on present status of the project, impacts of the project on the nearest RF, Village, bio-diversity and surrounding environment, specify additional TORs / environment measures to be taken by the project proponent, if any.

The Sub-Committee constituted by the SEAC inspected the site on 12.03.2020 and submitted the report. The following observations were made by the sub-committee members:

1. Present status of Mine:

No mining activity was started at the proposed mining site as on the visit date.

2. Impact of the project on the nearest RF, Village, Bio-diversity and surrounding environment:

- *KupkalReserve Forest is located at about 200 Mtrsfrom the mining site in the West side and it is separated by an all-weather road (Annexure 1).*
- *Konasamudram village is situated more than 2Km away in the South-east side from the proposed Mine (Annexure 2).*
- *One waterbody,named Kadu cheruvu, is located at more than 500Mtrsaway in the North direction from the proposed Mine (Annexure 3)*

Minutes of the SEAC Meeting held on 10.09.2020

- *The hillock is covered with good vegetative cover among the boulders, mostly bushy young root stock of tree species that once probably flourished well there, and about 150 older trees belonging to different species are found to be scattered across the ML area (Annexure 4).*

No adverse impact is envisaged on the nearest RF, Village and water body by the project. However, the green cover in the ML would be disturbed by the project. Out of the total 3 Ha ML area, only 0.837 Ha would be mined and 1 ha would be used for the waste dump as per the proposal. Therefore, in order to address this issue, the Proponent has to do the following:

- (i) Protect the existing vegetation from the mining operations in the non-mining area within ML to keep it as much intact as possible*
- (ii) Find an area of at least 2 acres elsewhere nearby to take up compensatory tree planting in lieu of the removal of vegetative cover in the project*
- (iii) Uproot and translocate the older 150 trees onto this land besides new plantation, and*
- (iv) Take up greenbelt plantation with multiple species in 7.5 M around the ML area removing small boulders on the boundary line and adding up good soil in the pits*

The above points were discussed with the Proponent and he submitted a) an undertaking to take up compensatory planting in the vacant area of his adjacent ongoing mine in the same Survey No.899, however not mentioned the extent of the area to be planted (Annexure 5) and b) revised mining plan showing the greenbelt all around the ML area (Annexure 6).

3. Additional environmental measures:

- a) Take up compensatory tree plantation elsewhere nearby in a clearly demarked area of at least 2 acres with multiple tree species.*
- b) Translocation of 150 older trees onto this compensatory planting area.*
- c) Carry out the mining activity carefully at the proposed mining area and protect the existing vegetation in the rest of ML area where mining activity is not done.*
- d) Garland drains and retaining wall should be formed and maintained to let out only the clean water from the mining area towards the tank and nearby agriculture fields.*
- e) Comply with all the conditions duly as presented to the SEAC*

Recommendations:

Subject to the adoption and compliance with the above suggested vegetative cover protection related measures, the project may be issued EC.

The SEAC examined the report of the Sub-Committee and Undertaking submitted by the proponent, the SEAC recommended the project for issue of EC.

Agenda Item No. 10	10.30 Ha. Stone and Metal of M/s. Geo Minerals & Resources, Sy. No. 117, Jiayapally Village, Bibinagar Mandal, Yadadri Bhuvanagiri District. Telangana State – Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIN/49444/2020 (TOR)

Earlier, the SEAC in its meeting held on 20.02.2020 constituted a sub-committee to inspect the site and submit report on present status of the project, impacts of the project on nearest human habitation, RFs, surrounding environment, etc.,

Minutes of the SEAC Meeting held on 10.09.2020

The Sub-Committee constituted by the SEAC inspected the site on 04.09.2020 and submitted the report. The following observations were made by the sub-committee members:

1. *Mining operations have not been started.*
2. *The proposed site is a virgin property.*
3. *The nearest village Jiyapally is at a distance of more than 350 Mtrs.*
4. *Nearest Reserve forest is Kondamadugu R.F at a distance of more than 200 Mtrs.*
5. *The site is free from any vegetation.*

No adverse impact is envisaged by the proposed project on the surroundings.

Environment clearance may be given subject to:

1. *Use of Wet drilling, controlled blasting technique.*
2. *Proper dust suppression measures during transportation.*
3. *Formation and Maintenance of silt pond and garland drains.*

The SEAC examined the report of the Sub-Committee and after detailed discussions, the proponent is directed to prepare EIA report as per the Standard Terms of Reference (TORs) issued by the MoEF&CC, GoI for "Mining of Minerals", undergo the process of public hearing in consultation with TSPCB and submit final EIA report along with minutes of public hearing & response of the proponent to the issues emerged in the public hearing to the SEAC for appraisal.

Agenda Item No. 11	M/s. Elite Developers & Others, Sy. No. 66 at Wadakpally Village, Ameenpur Mandal, Sanga Reddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/147826/2020 (EC)

Earlier, the SEAC in its meeting held on 17.06.2020 constituted a sub-committee to inspect the site, verify records and submit report on present status of the project, impacts of the project on nearest water body, adequacy of proposed EMP measures, status of NOC by the I&CAD Dept., etc.,

The Sub-Committee constituted by the SEAC inspected the site on 30.07.2020 and submitted the report. The following observations were made by the sub-committee members:

1. *The Proposed land is plain with a very gentle slope.*
2. *Proposed site is on the downstream side of a tank named Nallakunta, Dayara Village, Ameenpur Mandal as shown in the map attached.*
3. *Copy of the Joint Inspection report signed by Mandal Surveyor, Tahasildar, AEE and DEE, IB Division, Patancheru has been submitted to the members and is at appendix 1*
4. *Verified the existing records.*
5. *EMP measures included in the EIA report are adequate*
6. *NOC has been initiated. Recommended by the Executive Engineer, I.B. Division, Sanga Reddy Appendix 2*
7. *Proponent is taking all the measures to control the air, water and noise pollution therefore there would be little impact on the surroundings.*
8. *Proponent has agreed to leave the buffer zone, set back as shown in the attached appendix 3.*

There is no adverse impact on the surrounding environment due to the start of above project.

Recommended for issue of EC.

The SEAC noted contents of the Joint Inspection Report of the Mandal Surveyor (Ameenpur), Tahsildar (Ameenpur), AEE (IB Section Ameenpur) & the EE (IB Sub-Division, Patancheru) of inspection conducted on 11.03.2020. As per the Joint Inspection Report, the applicant's land is located on downstream side of the Nalla Kunta and a part of site (Ac.0.01 Gts.) is being affected under the buffer zone. It was recommended for issue of NOC as per condition laid down in G.O.Ms.No.168, dt. 07.04.2012.

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

Minutes of the SEAC Meeting held on 10.09.2020

Agenda Item No. 12	M/s. Srigdha Infra Developers, Sy.Nos. 168 to 172, 198 to 200 & 211, Venakatapuram (V), Ghatkesar (M), Medchal-Malkajgiri District- Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/148509/2020 (EC)

Earlier, the SEAC in its meeting held on 29.08.2020 constituted a sub-committee to inspect the site, verify records and submit report on present status of the project, adequacy of EMP measures, impacts of the proposed project on Nala & nearest waterbodies, status NOC issued by I&CAD Dept. in the name of proponent, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 03.09.2020 and submitted the report. The following observations were made by the sub-committee members:

1. Construction work has not been started at the site.
2. The site is free from any vegetation.
3. There is no nala or any water course within the proposed site area.
4. A nala (Distributary) is there adjacent to the proposed site. Records of irrigation and revenue indicate Ac.0.05Gts comes under Maximum Flood Level (MFL), Ac.0.22 Gts. comes Under buffer zone In Sy No.Part 172.(Copies of I&CAD annexed.

Impact on surroundings: The area is surrounded by residential constructions and buildings. No adverse impact is envisaged.

Environment clearance may be given subject to:

1. Maintain the buffer zone against thanala.
2. Formation of minimum 2.0Mtrs green belt along the periphery of the site.
3. Ensure that the nala adjoining the property is not contaminated during and after the construction of the buildings.
4. Comply with all the conditions as submitted to SEAC.

The proponent submitted copies of the clarification letters issued by the I&CAD Dept., w.r.t. Nala. The details in the letters are as following:

- Lr.No.EE/IB/HYD/DB/HD/D1/2018-19/269B, dt.29.12.2018 of the Executive Engineer, I&CAD, I.B. Division, Hyderabad granting permission to change of Nala alignment, with an instruction to maintain the proposed channel topo width same as per original distributor channel, duly maintaining the outlet point as recommended, without altering the hydrology of the cannel/streamlet and without causing any inconvenience to the Pattadars on downstream side of the Sy.No. in which the channel is flowing and also to leave the buffer zone area of 2.0 mts. width on either sides of the Channel within the land boundary only in Sy.No.168 & 172/Part (total of 4.0 mtrs. width of buffer zone area).
- Lr.No.EE/IB/HYD/DB/HD/D1/2019-20/1606/3No4, dt.31.08.2019 of the Executive Engineer, I&CAD, I.B. Division, Hyderabad. It was reported that the Executive Engineer, I&CAD also inspected the land to an extent of Ac.4.0 Gts. in Sy.No.200 & 211/Part, Korremula H/o. Venkatapuram (V), Ghatkesar (M), Medchal District and observed that a distributor Channel is passing away from the land in above survey numbers and observed that the land is not affected in Maximum Flood Level area and Buffer zone area of the Channel. Hence, it was clarified that the land to an extent Ac. 4.0 Gts. In Sy.no.200 & 211/Part, Korremula H/o Venkatapuram (V), Ghatkesar (M), Medchal District is out of Maximum Flood Level area and Buffer zone area of the Channel.
- Lr.No.EE/IB/HYD/DB/HD/D1/2019-20/1607/3N05, dt.31.08.2019 of the Executive Engineer, I&CAD, I.B. Division, Hyderabad. It was reported that the Executive Engineer, I&CAD, Dept., I.B. Division, Hyderabad has also inspected the land to an extent of Ac.21.26 Gts. in Sy.No.167, 168, 169, 170, 171, 172/Part, 198 & 190, Korremula H/o. Venkatapuram (V), Ghatkesar (M), Medchal District. It is observed that a distributary Channel is passing adjacent to the land in Sy.No.167, 168 & 172/Part and observed the same part the land in Sy.No.167 & 172/Part to an extent of Ac.0.08 Gts. Is affected in Maximum Flood Level (MFL) area and to an extent of Ac.0.25 Gts. Is affected in Buffer Zone area of the Channel. Hence, it was clarified that the balance land to an extent Ac.20.33 Gts. in Sy.No.167, 168, 170, 171, 172/Part, 198 & 199, Korremula H/o.

Minutes of the SEAC Meeting held on 10.09.2020

Venkatapuram (V), Ghatkesar (M), Medchal District is out of Maximum Flood Level are and Buffer Zone area of the Channel.

It is noted from the above, that out of total land area of Ac.25.33 Gts. (Ac.20.33 Gts. + Ac.4.0 Gts.), an area of Ac.0.33 Gts. (Ac.0.08 Gts under MFL + Ac.0.25 Gts. under Nala buffer zone) is being affected. Hence, the balance land area is Ac.24.33 Gts. (1,00,463.167 Sq.m.). But, out of Ac.25.33 Gts. (1,03,801.82 Sq.m), the proponent proposed only 83,951.5 Sq.m. for the proposed project.

The details of the landuse of the proposed project are as following:

S.No.	Details of land use	Area in Sq.m.	Area in %
1	Ground coverage area	26288.50	31.31%
2	Road Area	20376.20	24.27%
3	Greenbelt Area	6232.5	7.42%
4	Green area in MFL & buffer zone	3652.0	4.35%
5	Open Area	27402.30	32.64%
	Total Area	83951.50	100%

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.13	M/s. Incor Lake City Projects Private Limited Survey Nos. 691 (PART), 692 (PART), 693 (PART), 694 (PART), 695, 696, 697, 698, 699, 700 (PART), 701 (PART), 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714 (PART), 715 (PART), 716 (PART), 730 (PART), 731, 732, 733, 734, 735 (PART), 736, 737, 780 Patancheru, Sanga Reddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/132770/2019 (EC)

Earlier, the SEAC in its meeting held on 18.02.2020 constituted a sub-committee to inspect the site, verify documents and submit report on present status of the project, whether proposed site area is under submergence, storm water drainage, impacts of the proposed project on nearest waterbodies, status of NOC from I&CAD Dept., for proposed project w.r.t. waterbody, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 16.03.2020 submitted the report. The following observations were made by the sub-committee members:

The proposed project will be spread over an area of 9.95842 hectares of land for Residential and Commercial purpose with necessary amenities in the above-mentioned Survey Nos. at Patancheru, Sanga Reddy District. The project site is surrounded by open land in all the directions except in north direction, a 60 m wide road (NH-9 Mumbai Highway). The nearest railway station is Lingampally railway station at a distance of 7.86 km.

Land Allocation for various purposes:

Land Use	No of Blocks	No of Floors	Total No of Units	Total Site Area in m ²	Total Built up area (m ²)
Blocks	3	2B+S+20	1675	9905.1	153125.9
Amenities	1	G + 3		1301.9	5207.6
Parking					67529.2
Mall & Co - living	1	3B+G+17	415	7258.0	80623.1
Multiplex	1	3B+G+5		2029.7	12444.2
Parking					48174.3
Road Area				25910.7	
Open Area				30581.8	
Total				76987.1	
Buffer Area					
Green Area				10592.4	
Peripheral road				8656.5	
Open Area				2826.0	
Irrigation Channel				199.6	
2m irrigation channel buffer				323.0	

Minutes of the SEAC Meeting held on 10.09.2020

Grand Total	6	2090	99584.53	367104.3
--------------------	----------	-------------	-----------------	-----------------

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

- The proponent obtained approval from irrigation department and accordingly prepared the layout plan and area statement. As per the NOC issued by I&CAD, and field visit, it was observed that the eastern side of applicant's site falls on the downstream side of the bund of the Saki Cheruvu, Patancheru (V). The applicant has to leave open/ maintain a width of 10 metres from the toe of main bund as buffer zone as per the CE, MI guidelines issued in Memo No. DCE/II/OT1/SO3/73/NOC/OFMK EMP Assn/2014 dt. 24.04.2014.
- It was mentioned that, the area is getting affected under 10.0m wide Downstream buffer zone. It is evident that there is a sluice @ch 380 on main bund through which a irrigation channel is passing through applicant land. The width of irrigation channel as calculated based on the ayacut under this channel is 1.5m width, for which the applicant has to leave 2m buffer on either side of it. A width of 1.5m for irrigation channel + 1.0m on both sides for wall construction + 2.0m buffer on either side of it have to be left for irrigation canal in applicant site. Hence the subjected land is getting affected under buffer of bund, irrigation channel and its buffer zone. The details of area affected in applicant's site is as follows (as reported in NOC) .The Proposed area of applicant's site = 35482.39 sq.m. For irrigation channel (1.50 + 2X0.50)

Area affected under irrigation channel (including construction walls) = 275sq.m.
Area affected under buffer (2.0m on eastern side) = 440sq.m
Area affected under Downstream buffer zone (10.0m) = 7800 sq.m
Total affected area = 8515sq.m
Net area proposed in applicant site = 26967.39sq.m
The buffer width for irrigation channel is suggested as per the G.O. Ms. No. 168, MA & UDD, Dt. 07.04.2012 amended vide G.O. Ms. No.7, MA & UDD, Dt. 05.01.2016.

- It is observed that an extent of Ac.34.00 gts lies on downstream side of Sakichervu Irrigation Channel @ Ch. 70.5 passing through the Sy.No.780 & 736. Further the Buffer zone is marked on the plan. Buffer zone length is taken as per Govt. norms i.e., 30.0 mts from the Dis edge of the Bund. The Executive Engineer, I&CADD has advised the proponent that they should construct the irrigation channel, retention / protected walls as per designs duly got approved by the Department at their own cost and should leave 2.0 m as Buffer Zone on both sides of the Channel.
- Though Saki Cheruvu inflows were reduced, it is advised to leave an additional 1 mt buffer on either side of the sluice passing through the proponent land, in view of the erratic monsoon.
- Proponent is recommended to maintain 2 mt of buffer for greenbelt and 11 mt for drive way / fire vehicle tendering.
- Further, the Committee has suggested that the applicant should provide a suitably designed drain section for draining storm water received from in to the applicant site, if any.

In view of the commitment towards implementation of EMP and green belt by the proponent, members of the subcommittee recommend the above project and EC may be issued.

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

Agenda Item No. 14	Commercial Office Complex by M/s. Hyma Developers Pvt. Ltd, Sy. No. 239(p), 240(p), 48, 49 & 50, Kokapet (V), Gandipet (M), Ranga Reddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/159115/2020 (EC)

Earlier, the SEAC in its meeting held on 09.07.2020 constituted a sub-committee to inspect the site, verify documents and submit report on present status of the project, impacts of the proposed project on Nala, status of NOC from I&CAD Dept., status of NOC from AAI for proposed project, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 04.08.2020 and submitted the report. The following observations were made by the sub-committee members:

- *The present land use of the site is dry, barren and rocky area. As per the master plan approved, the present land falls under Multiple use zone (G.O. Ms. No. 24 vide dated 04-02-2020). Project site is spread over an area of 66.31 acres with proposed built up area of 40,45,562.08 Sq.m. The project site area falls under multiple use zone. Two streams are passing through the site and joining adjacent Nala on south side Kokapetlake : 0.2 Kms Osman sagar : 1.2 Kms.*
- *The NOC from I&CAD observed that the land in Survey Nos. 239(P), 240(P), 48, 49 & 50 is located adjacent to the Bulkapur Nala and 69 mt away from Kotha Cheruvu, Kokapet (V) to the east side of the land. The land is not effected in the FTL nor in the buffer zone of the Kotha Cheruvu. It is observed that four first order streams are originating with in the project site, carrying rainwater into Bulkapur nala and other water bodies. The width of the bulkapurnala is varying from 13.20mt to 27.50mt at the location.*
- *In the proposed project site there are no major trees. The site is dry, barren and rocky area.*
- *Area statement, land use statement and layout map are given below.*

Recommendations:

- *During the presentation and site inspection, it was observed that the amount allocated for Green belt was very less. It is recommended to increase the amount for Green belt. An undertaking from the proponent is submitted for the same.*
- *Risk assessment report, disaster management plan and fire safety measures as per the NoC shall be implemented.*
- *HYMA DEVELOPERS PVT. LTD. will be responsible for compliance of environmental regulations under the provisions of EP Act.*
- *Proper storm water drainage need to be designed and maintained as four first order streams are present with in the site, carrying rainwater and acting as feeder channels to the nearest waterbody. A 2 mt buffer shall be made to the existing two streams towards the southern side of the site. In addition, it is mandate that proponent is required to leave 2 mt all along the periphery for green belt development and a 9 mt drive way for fire vehicle tendering.*

Keeping in view of the proposed EMP measures, risk and disaster management plan, and NOC from AAI, it is recommended to issue the Environmental Clearance for the project by M/S Hyma Developers Pvt. Ltd.

The proponent obtained NOCs dt. 03.02.2020 for height clearance from Airports Authority of India w.r.t. the proposed project and submitted a copies of the same. It is observed from the NOCs that the site elevation is 581.5 mts to 582.6 mts AMSL and the permissible top elevation is restricted to 781.15 mts to 782.6 mts AMSL respectively. The SEAC noted that height of the buildings are within the permissible top elevation restricted by the AAI.

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

Minutes of the SEAC Meeting held on 10.09.2020

Agenda Item No. 15	“Residential Complex” of M/s. Ashoka Acropolise & M/s Cyber city Builders & Developers Pvt. Ltd., Sy. No. 81, 101, 102, 108 to 112, Moosapet (V), Balanagar (M), Ranga Reddy District – Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/49278/2019 (EC)

Earlier, the SEAC in its meeting held on 31.01.2020 constituted a sub-committee to inspect the site and submit report on present status of the project, EMP measures being implemented, adequacy of environmental measures proposed by the proponent, impacts of the project on the surrounding environment, impacts of project on nearest waterbody, specify any additional TORs, if any.

The Sub-Committee constituted by the SEAC inspected the site on 20.03.2020 submitted the report. The following observations were made by the sub-committee members:

- *M/s Rainbow Vistas by M/s Ashoka Acropolise & M/s Cyber city Builders & Developers Private Limited proposed to built a “Residential Complex” at Sy. Nos. 81, 101, 102, 108 to 112, Moosapet (V), Balanagar (M), Medchal District, and Telangana State.*
- *The project obtained EC wide order No. SEIAA/AP/RRD-76/2008-2418 dated 26.03.2011 and subsequently obtained amendment EC vide Order No. SEIAA/TS/ OL/MDCL-60/2018-998 dated 26.04.2018 with total built up area 16,60,675.68 Square meters.*
- *After getting Environmental Clearance, the M/s Ashoka Acropolise & M/s Cyber city Builders & Developers Pvt. Ltd. has completed construction of Phase – I (4 residential towers +club house) and in Phase - II out of 13 residential towers +club house construction of 12 residential towers were completed and Phase – III A (2 residential towers + club house) construction activity has been started.*
- *There is change in original plan and the built-up area has been increased and the proponent is seeking new EC.*

The Current Status of the Project:

S. No.	Phases	No. of Towers/ Blocks	No. of flats	Built up Area	Status
1	Phase - I	4 residential towers (B+S+14) + Club house (S+2 Floors)	448	67589.71	Completed
2	Phase - II	13 residential towers (4B+P+G+24) + Club house (G+8 Floors)	2585	455,587.08	12 towers has been completed
3	Phase - III A	2 residential towers (4B+3L+G+31) + Club house (G+3 Floors)	1237	206711.97	Started construction
	Phase - III B	4 residential towers (4B+G+30) + club house (G+4 Floors)	2077	339492.02	No construction activity
4	Phase - IV (Commercial)	Single block (4B+5S+18)	-	275645.85	No construction activity
5	Phase - V	3 residential towers (4B+G+30) + club house (G+4 Floors)	992	166080.27	No construction activity
	Total		7339	15,11,106.89	

S.NO	DESCRIPTION	PREVIOUS	PROPOSED
1	Total plot area of the plot	66.33 Acres (No change)	66.33 Acres
2	Green Belt & landscaping	40,159.19 Sq. mtrs	45,159.2 Sq.mts
3	Total Built up area including parking	16,60,675.68 Sq.mts	21,45,124.50 Sq.mts
4	Number of phases to be developed	5 Phases (4 phases are Residential and One phase is Commercial)	6 Phases (5 Phases are Residential and One phase is Commercial)
	Phase-I (Completed)	4 Residential towers (B+S+14 Floors) + Club house (G+2Floors)	4 residential towers (B+S+14 Floors) + Club house

Minutes of the SEAC Meeting held on 10.09.2020

			house (S+2 Floors)
--	--	--	--------------------

S.NO	DESCRIPTION	PREVIOUS	PROPOSED
	Phase –II (9 towers has been completed)	13 Residential towers (4B+P+G+24Floors) + Club house (G+8Floors)	13 residential towers (4B+P+G+24 Floors) + Club house (G+ 8 Floors)
	Phase-III A (Started construction)	2 Residential towers (4B+3L+G+31 Floors) + Club house(G+3)	2 residential towers (4B+3L+G+31 Floors) + Club house (G+ 3 Floors)
	Phase-III B (No construction activity)	3 Residential towers (2B + G + 17) 2 Residential towers (2B +L+ G + 17) 1 Residential towers (2B +L+ G + 18) + Club house (G+3)	4 residential towers (4B+G+30) + club house (G+4 Floors)
	Phase-IV (Commercial) (No construction activity)	Single tower (4B+G+12)	Single block (4B+5S+18)
	Phase – V (No construction activity)	-----	3 residential towers (4B+G+30) + club house (G+5 Floors)
5	Total no. of flats	7111 Flats	7339 Flats
6	Cost of the project	Rs. 3700 Crores	Rs. 4000 Crores
7	Total water consumption	5570 KLD	6000 KLD
8	Waste water generation	4690 KLD	5160 KLD
9	Solid waste from the complex	18.85 TPD	23,170.0 Kg/Day
10	STP capacity	5650 KLD (485 +790+1175+1600+1600)	6200 KLD
11	EMP Cost Capital Cost: Recurring Cost:	Rs. 37.0 Crores Rs. 925 Lakhs / annum	Rs. 40.0 Crores Rs. 100 Lakhs / annum

- The proposed site is in Sy. No. 81, 101, 102, 108 to 112 in Moosapet (V), Balanagar Mandal, Medchal District, State of Telangana. The site is adjacent to Moosapet, kondapur road which is 100 feet in width. It is connected to NH9 at 1.47 km in East direction and NH 44 at 6.48 km in East direction.
- It is noted from the NOC from I & CAD and location Sketch of the project site in Sy. No. 81, 101, 102, 108 to 112, Moosapet (V), Balanagar (M), that out of the total land 8.00 acres affected land under FTL is nil and affected land under buffer area is 1.129 acres. The balance extent is 6.871 acres.
- As the proposed activity is high rise construction (max.30 floors) NOC from AAI is submitted. **Parking area Statement:** The total area allocated for parking is 634017.62 Sq.Mts, which can accommodate 14,812 four wheelers and adequate two wheelers. Parking provision follows the guidelines prescribed by the HMDA under GO MS No. 168 of Government of Telangana.

Recommendations:

After careful examination and in view of the other commitments like EMP measures, NOC from I& CAD, AAI, and risk assessment and disaster management plan for the proposed activity, it is recommended to issue the Environmental Clearance. All relevant documents are enclosed.

The proponent submitted a copy of lr.dt.28.04.2018 of the EE, North Tanks Division, I&CAD, Dept., informing that as per the FTL boundary map of Maisamma Cheruvu the applicant site admeasuring to an extent of Ac.8.0 (out of Ac.70.35 Gts) in Sy.No. 81, 101, 102, 108 to 112 of Moosapet (V) is not getting affected in FTL but is getting affected under 30 mts buffer zone in terms of G.O.Ms.No.168, MA&UD Detp., dt.07.4.2012. As such the applicant site to an extent of Ac. 1.129 is getting affected under 30 mts buffer zone out of Ac. 8.0. The balance extent of Ac.6.871 Gts. is free from FTL and buffer zone of Maisamma Cheruvu.

Minutes of the SEAC Meeting held on 10.09.2020

The details of NOCs of Airport Authority of India for the project are as following:

S. No.	Description of phases	Category	Height of the building and configuration as per previous EC 26.04.2018	Height of the building and configuration as per Proposed	NOC from Airport Authority obtained	Current status of Validity	Current status of construction
1	Phase - I	Residential	4 residential towers (B+S+14) + Club house (G+2 Floors) - 45 M	Same No change 45 M	-	-	Completed Construction
2	Phase - II	Residential	13 residential towers (4B+P+G+24) + Club house (G+ 8 Floors) - 60M	Same No change 60 M	AAI/HY/ATS-59/NOC-2/2013	Obtained on 12.09.2013 Valid up to 12.09.2018. Applied for extension of NOC	12 towers completed
3	Phase - III A	Residential	2 residential towers (4B+3L+G+31) + Club house (G+ 3 Floors) - 109.05 M	2 residential towers (4B+3L+G+31) + Club house (G+ 3 Floors) 109.05 M	AAI/HY/ATS-59/NOC-2/2015/6585-86	Obtained on 13.8.2015 Valid up to 12.8.2020 - will apply for extension	Started Construction
	Phase - III B	Residential	3 Residential towers (2B + G + 17) 2 Residential towers (2B +L+ G + 17) 1 Residential towers (2B +L+ G + 18) + Club house (G+3) -	4 residential towers (4B+G+30) + club house (G+4 Floors) 92.05 M	AAI/HY/ATS-59/NOC-2/2015/6587-89	Obtained on 13.8.2015 Valid up to 12.8.2020 Applied for extension of NOC	No construction activity started
4	Phase - IV (Commercial)	Commercial	Single block (4B+G+12)-	Single block (4B+5S+18) 96.60 M	Not applicable as the number of floors are less than 24 floors		No construction activity started
5	Phase - V	Residential(proposed)	-	3 residential towers (4B+G+30) + club house (G+5 Floors) 92.05 M	AAI/HY/ATS-59/NOC-2/2015/6590-92	Obtained on 13.8.2015 Valid up to 12.8.2020 Applied for extension of NOC	No construction activity started

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.16	"Commercial Building" by M/s. Megha Engineering & Infrastructures Limited, Survey Nos. 35 &38, Khajaguda (V), Serilingamapally (M), Ranga Reddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/130510/2019 (EC)

Earlier, the SEAC in its meeting held on 18.02.2020 constituted a sub-committee to inspect the site, verify documents and submit report on present status of the project, storm water drainage, impacts of the proposed project on nearest waterbodies, status of NOC from I&CAD Dept., for proposed project w.r.t. its surrounding waterbody, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 22.03.2020 submitted the report. The following observations were made by the sub-committee members:

- The proposed project will be spread over an area of **1.588 hectares** in Survey nos.35 & 38, Khajaguda, Serilingamapally Municipality, Ranga Reddy District. The site is connected by 45 m wide road in south direction connecting Inorbit mall road and 30 m wide road in southwest direction connecting Narsingi Junction ORR and Old Mumbai Highway. The nearest railway station is the Hi-tech City railway Station at a distance of 5.6 km.
- Construction has not started. Images showing present status of the project is enclosed.

Land Allocation for various purposes:

Land Use	No. of floors	Total Site Area (m ²)	Built up area (m ²)		
			Parking	Office	Total
Tower	4C+G+4P+30	4913	110101.2	166786.8	276888
Green area		1590.1			
Road area		4355			
Open area		3571.4			
Net Plot Area		14429.5			
Buffer Area		1454.4			
Total		15883.9	110101.2	166786.8	276888

Present status of the project:

- The proponent obtained approval from irrigation department and accordingly prepared the plan and area statement.
- As per the NOC issued by HL&WBM, it is noted that the proposed site in Sy.No.35 & 38 of Khajaguda (V), Serilingampally (M), R.R .Dt., that the surplus coarse channel and irrigation channel of Pedda cheruvu are passing towards northern side to western side of applicant site and crossing the Khajaguda road through the Box culvert and finally joining into Yellamma cheruvu.
- The existing width of the irrigation channel towards western side of applicant site is varying from 2.5m to 4m. It was noted that the surplus water used to flow from Bandam reservoir which is immediate to downstream of weir and passing independently through RCC channel to a size of 3.0m x 1.5m section towards eastern side to southern side of applicant site and joins at culvert. At present this surplus channel was discontinued due to road widening work and diverted through the irrigation channel.
- It is recommended that the surplus coarse channel should be continued separately along the road side for safe discharge of flood water i.e., towards eastern side to southern side upto culvert.
- The south east corner bend of applicant site, the drain curve may be smoothed instead of 90 degree bend. The builder shall construct both the drains (i-e., surplus coarse channel and irrigation channel) upto slab culvert at his own cost. The surplus drain portion all along main road upto culvert will have to be constructed as per master plan width of 150ft at Khajaguda road. The drain / Nala should be kept open to sky.
- According to the above, the details of area affected in applicant site due to Nala' buffer and bandham buffer zone is as follows:

Total Land Extent: 19118 sq.yds

a) Area affected under irrigation channel buffer (2m) = 345.08 Sq.yds

b) Area affected under Surplus buffer (2.00m) = 255.67 Sq'Yds

c) Area affected under Bandham buffer (9.0m) = 1075.36 Sq Yds

Total affected area = 1676.11 Sq'Yds

Balance Extent = 17441.89 sq.yds

Recommendations:

- After careful examination and the NOC from HL & WBM, it is recommended to give 2mt + 2 mt buffer along the irrigation channel, bandham and surplus channel.
- A 9mt buffer for the drive way and fire vehicle tendering
- A 2 mt buffer for green belt development.

Keeping in view of the other commitments and EMP measures submitted and presented, it is recommended to issue the Environmental Clearance for the project by M/s. Megha Engineering and Infrastructures Ltd.

Minutes of the SEAC Meeting held on 10.09.2020

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. 17	“Luxury Villas” of M/s. Sark Projects, Sy.No. 72, 73, 74 & 75, Mokila (V), Shankerpally (M), Ranga Reddy District – Environmental Clearance - Reg.
Proposal No.	SIA/TG/NCP/23008/2018 (TOR)

The SEAC noted that earlier, the SEIAA in its meeting held on 22.02.2020 referred back to the SEAC to clarify the following:

- Whether the proponent continued construction activities in the site even after issue of directions dt.24.03.2016 by the SEIAA, Telangana to suspend the construction activity.
- If the proponent continued construction activity in the site, under what provisions the proponent continued the construction activity.
- Does it not come under 2nd Violation.

In this regard, the proponent vide lr.dt.03.07.2020 informed that they have not continued any construction activities at the site mentioned above after issue of SEAC directions dt.24.03.2016. Further, it was informed that the allocations of Villas of the project were allocated to all the buyers before 24.03.2016. The proponent has submitted the list of Allotees who have been allocated and occupied before this date and also submitted copies of Sale Deed of Allotees.

It can be noted from the above that the proponent has not continued construction after 24.03.2016.

In view of the above, the SEAC again recommended to issue **Standard Terms of Reference (TOR)** issued by the MoEF&CC, GoI along with the following **Specific Terms of Reference** for undertaking EIA and preparation of Environmental Management Plan (EMP).

Specific Terms of Reference:

- (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC (if Credible Action was not initiated).
- (ii) The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the SEAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.
- (iii) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- (iv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- (v) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- (vi) Base line data collected during the period October to December 2018 may be used for EIA/EMP preparation.
- (vii) Funds allocation for Corporate Environment Responsibility (CER) shall be made as per O.M. dt.01.05.2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in the EIA/EMP report.

Agenda Item No. 18	M/s. Jayabheri Properties Pvt. Ltd. Sy. No. 176, 189, 190 to 200, Narsingi (V), Rajendranagar(M), Ranga Reddy District – Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/124563/2019 (EC)

Earlier, the SEAC in its meeting held on 25.01.2020 informed the proponent submit the Certified Compliance Report on earlier EC conditions and also copies of NOCs issued by the Airports Authority of India.

In this regard, the proponent submitted self certified Compliance Report on earlier EC conditions and requested to consider the same. The SEAC examined the request of the proponent and considered the self certified Compliance Report on earlier EC conditions.

During presentation, the proponent informed that they have obtained NOC dt.07.04.2020 for height clearance from Airports Authority of India w.r.t. the proposed project and submitted a copy of the same. It is observed from the NOC that the site elevation is 540.2 mts AMSL and the permissible top elevation is restricted to 680.2 mts AMSL. The SEAC noted that the height of the building is within the permissible top elevation restricted by the AAI.

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

Agenda Item No. 19	M/s. Haritha Bio-Products India Private Limited., Sy.No. 1130, 1131 (P), 1132, 1133 & 1134 (P) of Parlapally (V), Thimmapur (M), Karimnagar District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/146456/2020 (MODI-TOR)

Earlier, the SEAC in its meeting held on 17.06.2020 constituted a sub-committee to inspect the unit and submit report on present status of the project, existing environmental measures being practiced, adequacy of proposed EMP measures, impacts of the proposed expansion on the surrounding environment, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 20.07.2020 and submitted the report. The following observations were made by the sub-committee members:

Present Status

The Project proponents are operating 60 KLPD Distillery plant and 2 MW Power plant since July, 2011 and having Consent To Operate from Telangana State Pollution Control Board (TSPCB), which is valid up to 31st March, 2022.

Proponent has submitted Form-I and Prefeasibility to Hon`ble Ministry vide online proposal number SIA / TG / IND2 / 48517 / 2009 dated 16th Dec, 2019 for proposed expansion of grain based distillery plant from 60KLPD to 90KLPD by doing process modifications and Distillation columns modifications.

Latter SEIAA has issued Standard Terms Of Reference vide No. SIA / TG /IND2 / 48517 / 2009 dated 4th February, 2020 for the proposed expansion plant with Conduct of Public hearing for the proposed expansion proposal.

The proponent has submitted request to Ministry for amendment to TOR for exemption Public hearing for the expansion proposal.

Existing environmental measures being practiced:

The wastewater generation is mainly from Spent wash, Boiler blowdown, Cooling tower blowdown, D.M.Plant & Softener regeneration, Blowdown from CO₂ recovery plant & Sanitary waste.

Minutes of the SEAC Meeting held on 10.09.2020

Thin Slop generated during the process of Distillation after decantation is being treated in the existing Multiple Effective Evaporators to concentrate the solids up to 35 to 40% and concentrated syrup along with wet cake will be dried in Existing Dryer to concentrate the solids content up to 90% which is known as DDGS. This will be sold as Cattle feed or Poultry feed or to the Fish/ prawn farms. The condensate generated during the process of Multiple Effective Evaporators is reused in the Process, thus decreasing the net water requirement. The boiler blow down & DM Plant & Softener regeneration water is being treated in a neutralization tank and after treatment is mixed with CT Blow down. The treated effluent is used for dust suppression / ash conditioning and onland for irrigation within the premises. Sanitary wastewater is being treated septic tank followed subsurface dispersion.

Adequacy of proposed EMP measures: *EMP measures being practiced are adequate and verified the records and reports of MOEFCC.*

Expansion Plan:

Proponent proposed forexpansion of grain based distillery plant from 60KLPD to 90KLPD by doing process modifications and Distillation columns modifications. The additional 80TPD raw materials used include grains (maize, corn, Sorghum grain, broken rice, and other starch based grains etc.) would be procured locally.

Proposed EMP Measures

EMP measures proposed in the project and described during the presentation are explained at the site by the proponent. The project has the total land of 30 Acres. At present green area is only about 30%. Additional plantation that started is in nascent stage. Proponent has agreed for developing green area and marked in the map shown to the members which constitutes 33% of the area. Thus the area marked is quiet sufficient and adequate. The wastewater generated from the plant is being sent to Settling pond and recycled into process by providing closed circuit cooling system. The sanitary wastewater is being treated in Septic tank followed by soak pit. Zero Discharge is being maintained in the existing plant.

No increase in water requirement due to capacity enhancement and it remains 1380 KLD only for 90 KLPD capacities & 2 MW power generations.

There will be no additional wastewater generation from the proposed enhancement proposal. The existing spent wash treatment system, non process effluent treatment systems are adequate to treat the effluents from 90 KLPD capacity also.

Impacts of the proposed expansion on nearest human habitation, surrounding environment

Impacts of air Quality

The additional impacts of air quality due to the proposed project are not anticipated as the boiler size is not altered.

Impacts on water resources

No increase in water requirement due to capacity enhancement and it remains 1380 KLD only for 90 KLPD capacities & 2 MW power generations. Therefore no impact on water quality is anticipated as the unit proposed primary treatment of coolingwater and re-use as described above.

Impacts on Soil

The solid waste generated in the form of DDG Is being sold as cattle/poultry/fish feed. Similar practice is proposed after expansion also. Ash generated is being given to brick manufacturers when biomass and coal are used as fuels. Similar practice is proposed to continue after expansion.

Impacts on Ecology

Minutes of the SEAC Meeting held on 10.09.2020

There are no endangered flora and fauna in the impact area. Further it is proposed to increase the green belt area up to 33% with expansion activity. Thus there will be positive impact on the environment.

Impacts on Socio Economy

The expansion project generates additional jobs as direct and indirect employment that would help the local people.

Nearest Habitation is at a distance of 0.9 km (aerial) is the village Lakshmedevarapally.

Recommendations:

The proponents had conducted Public Hearing conducted on 18/08/2009 as per the provisions of EIA Notification, 2006 and its amendments there off for existing capacity of unit explaining the effluents, their treatment and final disposal. As such for the expansion of Distillery plant capacity from 60 KLPD to 90 KLPD by doing process modifications and Distillation columns modifications. No additional land, water are used for expansion proposal. Hence no additional wastewater would be generated due to the expansion of production.

Since the solid, liquid and gaseous effluent load is same for the existing and M/s. Haritha Bio Products India Private Limited is meeting all the required conditions therefore it is recommended to grant Environmental Clearance.

The SEAC noted that Standard TORs (system generated) were issued to the project on 04.02.2020 to prepare EIA report and conduct public hearing. But, the proponent requested to exempt the expansion project from public hearing, as the public hearing for the existing project was already held on 18.08.2009 as per EIA Notification, 2006 & its subsequent amendments.

In view of the above, the SEAC examined the request of the proponent in accordance with provisions laid under para 7(ii) of the EIA Notification and after detailed discussions, the SEAC recommended to issue Amendment to TOR duly exempting Public Hearing for the proposed expansion.

Agenda Item No. 20	M/s. Meka Laboratories, Sy. No. 10/C, IDA Gaddapotharam (V), Jinnaram (M), Sangareddy District – Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/51254/2017 (EC)

Earlier, the SEAC in its meeting held on 17.03.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

- i) Project modification.
- ii) Project cost.
- iii) ZLD system & its adequacy.
- iv) ETP modifications.
- v) Products: Comparison of existing & 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 & proposed (which are going for expansion).
- viii) Solid waste: Comparison of existing & proposed (which are going for expansion).
- ix) Impact on surroundings.
- x) Applicability of S.O.804€ dt. 14.03.2017 & S.O.1030€ dt. 08.03.2018 issued by the MoEF&CC, GoI.
- xi) Justification of the 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.

Minutes of the SEAC Meeting held on 10.09.2020

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

S.no	To Verify the issues	Observations
1	Distance from Patancheru and Bolaram industrial area	Project Site located at a distance of about 20 Km from Patancheru and Bollaram Industrial Areas
2	Projectmodification	Proposed to expand the API manufacturing capacity from 4.0 TPM to 13.5 TPM in an area of 1.5 Acres (Existing 1 acre and purchased additional area of 0.5 acre). Annexure I
3	Projectcost	The capital cost for the proposed expansion project is Rs. 5 crores.
4	ZLDSystem&itsadequacy	Industry is proposing to construct new ZLD system to treat 26KLD HTDS and LTDS. The system is quiet Adequate
5	ETPmodifications	The Present permitted effluent is 0.3 KLD, out of which HTDS effluent of 0.1 KLD which is sent to MEE system of JETL and 0.2 KLD to CETP. This facility is being replaced by ZLD system. In this 13.06KLD of HTDS is Sent to Stripper. Stripper condensate shall be disposed to cement industries for co-processing/TSDF. Stripper bottom is sent to MEE followed by AFTD. Condensate from MEE shall be sent to biological treatment plant followed by RO. RO rejects are sent to MEE and permeate is reused in cooling towers make-up. 11.5KLD of LTDS is Sent to biological treatment system followed by RO. RO permeate reused for cooling towers make-up. RO rejects are sent to MEE.
6	Products:Comparisonofexistin gandproposed(whicharegoingf orexpansion)	Comparison of Existing and Proposed products which are going for expansion is given in Appendix I
7	Verification of production records for one year	Verified and found to be audited
8	Raw material : Comparison of existing and proposed (which are going forexpansion)	Details of existing raw materials and proposed Raw Material are provided in Appendix 2
9	Solidwaste:Comparison of existing and proposed (which are going for expansion)	Details of existing and proposed Solid waste are provided inAppendix 3 and Annexure II
10	Impact on surroundings	Water Pollution: Total effluent generated increased from 0.3 KLD to 24.55 KLD and same will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible. Air Pollution:It is proposed to establish coal fired boiler of capacity 1 x 3 TPH to meet the steam requirement for process, in addition to existing 1 x 0.5 TPH coal fired boiler. The total power requirement estimated as 700 kVA.

		<p>The DG sets required for emergency power during load shut down is estimated at 625 kVA and accordingly 2 x 250 kVA proposed in addition to existing 1 x 125 kVA. The proposed air pollution control equipment for coal fired boiler is Multicone Cyclone separator. DG sets shall be provided with stack heights based on the CPCB formula for effective stack height.</p> <p>Process emissions contain hydrogen chloride, sulfur dioxide, carbon dioxide, oxygen, hydrogen. Hydrogen chloride, sulfur dioxide emissions are sent to a scrubber and the resultant scrubbing effluent sent to ETP. The other gases are carbon dioxide, oxygen, which are let out into atmosphere following a standard operating procedure while hydrogen gas let out into atmosphere through water column.</p> <p>Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal</p> <p>Soil pollution: All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility. Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate are sent to authorized recovery units/ Cement plants for co-incineration.</p> <p>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorized recyclers. Hence impact on soil pollution is minimal</p>
11	Applicability of S.O.804(E), dt.14.03.2017 & S.O.1030(E) dt.08.03.2018 issued by the MoEF&CC, GoI.	Adhering to all the rules and regulations as per the procedure. The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.
12	Justification of project w.r.t. GO Ms.No. 95 dt 21.09.2007; GO No.64 dt 25.07.2013 and GO Ms.No. 24 dt 24.04.2019	The project site doesn't cover under the above GO'S
13	Implementation of disaster management plan and safety measures in the exiting project and proposed expansion	The company has made alternate and stand by arrangements to meet the un foreseen disasters. Disaster management plan and safety measures submitted along with EMP report
14	Green belt development	M/s.Meka Laboratories located at Sy No. 10/C, IDA Gaddapotharam, Jinnaram Mandal, Sangareddy District, Telangana has developed green belt in a total area of about 10% only. They acquired additional land of 0.5 acre and intended to develop greenbelt in that area.

Recommendations:

Minutes of the SEAC Meeting held on 10.09.2020

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project.

The SEAC noted the details of existing & proposed products are as follows:

List of Existing Products:

S.No	Name of Product	Capacity	
		Kgs/Month	Kg/Day
1	Maleac Acid	400	13.33
2	Butyl Acetate	1500	50
3	Sodium Acetate	1000	33.33
4	Calcium Phosphate	1000	33.33
	Total	3900	130

List of Proposed Products:

S.No	Name of Product	Capacity	
		TPM	Kg/Day
1	Omeprazole	2.4	80
2	Esomeprazole	3.9	130
3	Lansoprazole	0.6	20
4	Pantoprazole	3	100
5	Rabeprazole	0.9	30
6	Fluconazole	4.5	150
7	Itraconazole	4.5	150
8	Fexofenadine Hydrochloride	0.75	25
9	CetirizineHCl	1.5	50
10	LevocetirizineHcl	0.9	30
11	Sertraline HCL	2.4	80
12	Atorvastatin	0.6	20
13	Rosuvastatin	4.5	150
14	Amlodipine Maleate	3	100
15	Pregabalin	4.5	150
16	Gabapentin	1.5	50
17	Tadalafil	4.5	150
Total - Worst Case 3 Products on campaign basis		13.5	450

Details of utilities after expansion:

S.No.	Utility	Stack Height (mt)	APCE
1	Boilers: Existing: 500 Kg/hr Proposed: <u>3 TPH</u>	15 m 30 m	Bag Filter
2	DG Sets: Existing: 125 KVA Proposed: 2 x 250 KVA	3 m 4 m	Effective stack height

Water requirement after expansion:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	5.92		5.92
2	Washings	2		2
3	Scrubber	1		1
4	Boiler Feed	12		12
5	Cooling Tower	5	23	28
6	RO/DM Rejects	3.5		3.5
7	Domestic	4		4

Minutes of the SEAC Meeting held on 10.09.2020

8	Gardening	2		2
	Total water requirement	35.42	23	8.42

Effluent Treatment & Disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	6.55		6.55	Zero Liquid Discharge System and treated effluent reused in cooling towers make-up and scrubbers
2	Washings	2		2	
3	Boiler blow down		3	3	
4	Cooling blow down		5	5	
5	RO/DM Plant	3.5		3.5	
6	Scrubber	1		1	
7	Domestic		3.5	3.5	
Total effluent Quantity		13.05	11.5	24.55	

Solid Waste after expansion:

S.No	Description	Quantity	Mode of Disposal
1	Ash from Boiler	2.72 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	0.28 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent residue	0.21 TPD	
4	Stripper Distillate	237 Lts/day	
5	Inorganic Residue	32.5 Kgs/day	Sent to TSDF for secured land filling.
6	Spent Carbon	76.7 Kgs/day	Sent to TSDF/Cement Industries
7	Spent Solvent	10.9 KLD	Recovered within plant premises and reused
8	Mixed Solvents	1.2 KLD	Sent to authorized recovery units/Cement plants for co-incineration
9	Evaporation salts	378.3 Kgs/day	Sent to TSDF
10	Hyflow	30 Kgs/day	Sent to TSDF
11	ETP Sludge	30 Kgs/day	Sent to TSDF
12	Detoxified containers & container liners	150 No.s/Month	Sold to authorized vendors
13	Waste oil	50 LPM	Sent to Authorized Recyclers
14	Used batteries	10 No.s/Yr	Sent to Authorized Recyclers

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. 21	M/s. Arene Life Sciences Ltd, Plot. No. 48 – 50 And 209 - 211, Phase II, IDA Pashamylaram, Patancheru Mandal, Sangareddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/152069/2020 (EC)

Earlier, the SEAC in its meeting held on 29.05.2020 constituted a 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)

Minutes of the SEAC Meeting held on 10.09.2020

- 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

The Sub-Committee constituted by the SEAC inspected the site on 18.07.2020 and submitted the report. The following observations were made by the sub-committee members:

<i>S.No</i>	<i>To Verify the issues</i>	<i>Observations</i>
1	<i>Distance from Patancheru and Bolaram industrial area</i>	<i>About 8 k.m.</i>
2	<i>Projectmodification</i>	<i>proposed expansion of API manufacturing capacity from 11.59 TPM to 90.15 TPM</i>
3	<i>Projectcost</i>	<i>Proposed Cost – 15.0 Crores</i>
4	<i>ZLDSsystem&itsadequacy</i>	<i>The effluents are segregated into two streams; High COD/ TDS and Low COD/ TDS streams. Effluent generated from process, washings, scrubbers and rejects from RO/DM are considered as HTDS while utility blow downs and domestic wastewater considered as LTDS effluents. The treatment system for treating High TDS/ COD effluents consists of Equalization, Neutralization, Settling tank, Stripper, Multiple Effect Evaporator (MEE) followed by Agitated Thin Film Dryer (ATFD).The organic distillate from the stripper is sent to cement plants for co-incineration and aqueous bottom from stripper is sent to MEE followed by ATFD for evaporation. The condensate from the MEE and ATFD are sent to ETP (Biological). Salts from ATFD are disposed to TSDF. The low effluents along with the condensate from MEE and ATFD are treated in primary treatment consisting of equalization, neutralization, and primary sedimentation followed by secondary biological treatment consisting of aeration tank and clarifier. The treated effluents after biological treatment are subjected to tertiary treatment in a reverse osmosis (Double Stage RO) system. Permeate from RO is reused for cooling tower make-up and rejects are sent to MEE followed by ATFD. Sludge from various units of Biological treatment are thickened in sludge handling system and sent to TSDF. The system is quiet Adequate</i>
5	<i>ETPmodifications</i>	<i>Existing permitted effluent is 8.91 KLD, out of which HTDS effluent of 5.61 KLD which is sent to Stripper followed by MEE and ATFD. Stripper Condensate sent to Cement Plants for Co-Incineration. MEE and ATFD Condensate along with LTDS effluent of quantity 3.3 KLD sent to CETP, Patancheru. proposed expansion the total effluent generated is 62.9 KLD which will be treated in "Zero Liquid Discharge System" (ZLD) as described above.</i>

Minutes of the SEAC Meeting held on 10.09.2020

	<i>Products: Comparison of existing and proposed (which are going for expansion) Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST</i>	<i>Appendix 1</i>
7	<i>Verification of production records for one year</i>	<i>Verified and found to be audited</i>
8	<i>Raw material : Comparison of existing and proposed (which are going for expansion)</i>	<i>Appendix 2</i>
9	<i>Solid waste: Comparison of existing and proposed (which are going for expansion)</i>	<i>Appendix 3</i>
10	<i>Impact on surroundings</i>	<i>Impacts are described in appendix 4</i>
11	<i>Applicability of S.O.804 (E), dt.14.03.2017 & S.O.1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.</i>	<i>Adhering to all the rules and regulations as per the procedure</i>
12	<i>Implementation of disaster management plan and safety measures at present</i>	<i>The company has made alternate and stand by arrangements to meet the un foreseen disasters</i>
13	<i>Green belt development</i>	<i>At present green belt development is in progress and the proponent has to submit an undertaking to full fill the norm of 33%</i>

EMP Measures Status

EMP measures proposed in the project and described during the presentation are well explained at the site by the proponent. They are quiet sufficient and adequate.

Recommendations:

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project.

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

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee 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.

Minutes of the SEAC Meeting held on 10.09.2020

- xii) Justification of project w.r.t. G.O.Ms. No. 95, dt. 21.09.2007; G.O.Ms. No. 64, dt. 25.07.2013; & G.O.Ms. No. 24, dt.24.04.2019.
- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development
- xv) Compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018 as per OM dt.31.10.2019 of the MoEF&CC, GoI.

But, it is observed that one of the members of the Sub-Committee i.e., Sri Radha Krishna is unavailable, as he is out of the Country. Hence, the Chairman, SEAC re-constituted the Sub-Committee replacing Sri K. Shiva Kumar in place of Sri Radha Krishna.

The Sub-Committee constituted by the SEAC inspected the site on 03.08.2020 and submitted the report. The following observations were made by the sub-committee members:

	<i>To Verify the issues</i>	<i>Observations</i>
1	<i>Distance from Patancheru and Bolaram industrial area</i>	<i>M/s. M/s. SELMAR LAB PVT. LTD. UNIT II Sy No. 180/1 to 180/15 and 10/1, IDA, Kazipally, Jinnarammandal, Sangareddy district, Telangana at a distance of around 25 Km from the Patancheru and Bollaram Industrial Areas</i>
2	<i>Project modification</i>	<i>M/s. SELMAR LAB PVT. LTD. UNIT II Sy No. 180/1 to 180/15 and 10/1, IDA, Kazipally, Jinnarammandal, Sangareddy district, Telangana, proposes to increase in production capacity from 27 TPM to 66TPM and change in product mix. The industry shall not produce more than 7 products and individual capacities mentioned in EIA</i>
3	<i>Project cost</i>	<i>The capital cost for the proposed expansion project is Rs. 6 crores. The cost estimate of environment management is 2.8 crores capital cost and 2.96 crores recurring cost.</i>
4	<i>ZLD System & its adequacy</i>	<i>Industry is proposing to construct new ZLD system to treat 60KLD HTDS and 82KLD LTDS The system is quite Adequate</i>
5	<i>ETP modifications</i>	<i>Existing Waste water is disposed to JETL for further treatment & disposal as consented Expanding and proposing to have The Effluent management system that is developed to ensure 'Zero Liquid Discharge'. Segregation of effluents is an integral part that facilitates effective treatment of various effluent streams. The effluents are segregated into two streams; High COD/ TDS and Low COD/ TDS streams. Effluent generated from process, washings, scrubbers and rejects from RO/DM are considered as HTDS while utility blow downs and domestic wastewater considered as LTDS effluents. The High TDS/ COD Effluents The treatment system for treating High TDS/ COD effluents consists of Equalization, Neutralization, Settling tank, Stripper, Multiple Effect Evaporator (MEE) followed by Agitated Thin Film Dryer (ATFD).</i>

		<p>The organic distillate from the stripper is sent to cement plants for co-incineration and aqueous bottom from stripper is sent to MEE followed by ATFD for evaporation. The condensate from the MEE and ATFD are sent to ETP (Biological). Salts from ATFD are disposed to TSDF.</p> <p>The Low TDS/ COD Effluents: These effluents along with the condensate from MEE and ATFD are treated in primary treatment consisting of equalization, neutralization, and primary sedimentation followed by secondary biological treatment consisting of aeration tank and clarifier.</p> <p>The treated effluents after biological treatment are subjected to tertiary treatment in a reverse osmosis (Double Stage RO) system. Permeate from RO is reused for cooling tower make-up and rejects are sent to MEE followed by ATFD. Sludge from various units of Biological treatment are thickened in sludge handling system and sent to TSDF.</p> <p>Stripper-60 KLD (1 No.s), MEE-100 KLD (1 No.s) & ATFD-10m2 (1 No.s) ETP - 125 KLD, RO Plant-125 KLD</p>
6	<i>Products: Comparison of existing and proposed (which are going for expansion)</i>	Comparison of Existing and Proposed products which are going for expansion is given in Appendix 1
7	<i>Verification of production records for one year</i>	Verified and found to be audited
8	<i>Raw material : Comparison of existing and proposed (which are going for expansion)</i>	Details of existing raw materials and proposed Raw Material are as described in EIA
9	<i>Solid waste: Comparison of existing and proposed (which are going for expansion)</i>	Details of existing and proposed Solid waste are provided in Appendix 2
10	<i>Impact on surroundings</i>	<p>Water Pollution: Total effluent generated increased from 60 KLD HTDS and 82 KLD LTDS. All these effluents will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up and scrubbers in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible.</p> <p>Air Pollution: It is proposed to establish additional coal fired boiler of capacity 1 x 6 TPH to meet the steam requirement for process.</p> <p>The process emissions contain ammonia and Carbon dioxide. Ammonia is sent to scrubber in series. The resultant solutions after scrubbing i.e., ammonium chloride from ammonia, scrubbing are sent to ETP. Carbon dioxide is let out into atmosphere following a standard operating procedure.</p> <p>Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</p>

Minutes of the SEAC Meeting held on 10.09.2020

		<p>Soil pollution: All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</p> <p>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate are sent to authorized recovery units/ Cement plants for co-incineration.</p> <p>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. Hence impact on soil pollution is minimal</p>
11	Applicability of S.O.804 (E), dt. 14.03.2017 & S.O.1030 (E) dt. 08.03.2018 issued by the MoEF&CC, Gol.	Adhering to all the rules and regulations as per the procedure. The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.
12	Implementation of disaster management plan and safety measures in the exiting project and proposed expansion	The company has made alternate and stand by arrangements to meet the un foreseen disasters. Disaster management plan and safety measures submitted along with EMP report
13	Green belt development	M/s. M/s. SELMAR LAB PVT. LTD. UNIT II Sy No. 180/1 to 180/15 and 10/1, IDA, Kazipally, Jinnarammandal, developed green belt in more than stipulated one third of total area covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment
14	Compliance of Hon'ble NGT order dt 19.08.2019 (published on 23.08.2019) in QA No.1038/2018 as per OM dt 31.10.2019 of the MOEF&CC, GOI	A Self declaration need to be submitted by the proponent

Recommendations:

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project

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. 23	M/s. Optrix Laboratories Private Limited, Sy. No.145A, 145AA,147 & 208, Ramalingampally (V), Bommalaramaram (M), Yadadri Bhuvanagiri-District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/153594/2020 (EC)

Earlier, the SEAC in its meeting held on 29.05.2020 constituted a sub-committee 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

But, it is observed that one of the members of the Sub-Committee i.e., Sri Radha Krishna is unavailable, as he is out of the Country. Hence, the Chairman, SEAC re-constituted the Sub-Committee replacing Sri K. Shiva Kumar in place of Sri Radha Krishna.

The Sub-Committee constituted by the SEAC inspected the site on 25.07.2020 and submitted the report. The following observations were made by the sub-committee members:

S.No.	To Verify the issues	Observations
1	Distance from Patancheru and Bolaram industrial area	Project Site located from Patancheru Industrial Area – 47.48 km (W) Bollarum Industrial Area – 37.35 km (W)
2	Projectmodification	proposed expansion of API manufacturing capacity from 108 TPA to 858 TPA
3	Projectcost	Overall estimated cost involved in the total project (existing and proposed) like land, building, plant & machinery is Rs.102.25 Crores. The additional investment to establish proposed for expansion of project is of Rs.33 Crores
4	ZLDSytem&itsadequacy	Industry is proposing to upgrade the existing effluent treatment plant to 150 KLD to treat the 138.20 KLD effluent. Treated effluent is proposed to reuse in utilities. Present ETP dealing with 30KLD HTDS and 50 KLD LTDs would be upgraded to 75KLD and 150 KLD respectively. The system is quiet Adequate
5	ETPmodifications	Industry is upgrading the existing ETP – ZLD
6	Products:Comparisonofexisting andproposed(whicharegoingforexpansion) VerifyProductiondetailsw.r.t.per mittedforthepastoneyear,asperER-I/GST	Comparison of Existing and Proposed products which are going for expansion is given in Appendix 1
7	Verification of production records for one year	Verified and found to be audited
8	Raw material : Comparison of existing and proposed (which are going forexpansion)	Details of existing raw materials and proposed Raw Material are provided in Appendix 2
9	Solidwaste:Comparisonofexistin gandproposed(whicharegoingfor expansion)	Details of existing and proposed Solid waste are provided inAppendix 3

Minutes of the SEAC Meeting held on 10.09.2020

10	Impact surroundings	<p>Industry is located in the Ramalingampally (V), Bommalaramaram (M), YadadriBhuvanagiri-District, Telangana State and is proposing for expansion. Considering the proposed EMP for the expansion project, impacts on surroundings are minimal.</p> <ul style="list-style-type: none"> • Effluent: Segregated based on HTDS / HCOD → Stripper → MEE → Biological treatment → Treated effluent reuse in Utilities. • LTDS / LCOD including Domestic → Biological treatment → Treated effluent reused in Utilities. • Solid Waste: Segregated based Nature → Stored in Covered Platform with leachate collection pit → Disposal to Authorized agencies for Reuse / alternate fuel / landfill etc. • Boiler emissions: Stack height of 30 m is installed for effective dispersion of flue gases for existing 2 nos. of 4 TPH coal fired boilers and stack of 30 m is provided for existing 2 lakh Kcal/hr Diesel fired Thermic Fluid Heater • Process emissions: HCl, NH₃, SO₂, Methyl Chloride, CO₂, O₂, N₂& H₂ → Scrubbed effectively in dual stage scrubber with suitable liquid / dispersed into atmosphere / flame arrestor to control the gaseous emissions. • Noise: DG sets will be enclosed with acoustic enclosures. • Greenbelt area: Total Greenbelt area is 1.22 Ha of 3.65 Ha i.e. 33.39%.
11	Applicability of S.O.804(E), dt.14.03.2017 & S.O.1030(E) dt.08.03.2018 issued by the MoEF&CC,GoI.	Adhering to all the rules and regulations as per the procedure. The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.
12	Justification of project w.r.t. GO Ms.No. 95 dt 21.09.2007; GO No.64 dt25.07.2013 and GO Ms.No. 24 dt 24.04.2019	The project site doesn't cover under the above GO'S
13	Implementation of disaster management plan and safety measures in the existing project and proposed expansion	The company has made alternate and stand by arrangements to meet the un foreseen disasters. Disaster management plan and safety measures submitted along with EMP report
14	Green belt development	At present green belt development is in progress and the proponent has to submit an undertaking to full fill the norm of 33%

Minutes of the SEAC Meeting held on 10.09.2020

During our visit it was found that the Se metal is one of the waste products and the subcommittee sought the explanation of its disposal. The proponent has submitted the stage at which Se is being liberated and how they are proposing to hand over to the authorized dealers. The documents are enclosed as annexure 1 and 2.

Recommendations:

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project.

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. 24	M/s. Sri Krishna Pharmaceuticals Limited, Unit-IV Sy. No. 296/7/10, Industrial Development Area, Bollaram, Jinnaram (M), Medak District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/152928/2020 (EC)

Earlier, the SEAC in its meeting held on 30.05.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

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

The Sub-Committee constituted by the SEAC inspected the site on 30.07.2020 submitted the report. The following observations were made by the sub-committee members:

	<i>To Verify the issues</i>	<i>Observations</i>
1	<i>Distance from Patancheru and Bolaram industrial area</i>	<i>M/s. Sri Krishna Pharmaceuticals Limited, Unit IV is located at a distance of 1.1 Km from the critically polluted area of Patancheru and Bollaram Industrial Areas</i>
2	<i>Project modification</i>	<i>It is proposed to expand the API manufacturing capacity from 6 TPM to 50.03 TPM in existing site area of 4.5 acres.</i>
3	<i>Project cost</i>	<i>The capital cost for the proposed expansion project is Rs. 90 crores. The cost estimate of environment management is 15.58 crores.</i>
4	<i>ZLD System & its adequacy</i>	<i>Industry is proposing to construct new ZLD system to treat 356 KLD HTDS and LTDS. The system is quite Adequate</i>

Minutes of the SEAC Meeting held on 10.09.2020

5	ETP modifications	The Present permitted effluent is 41.03 KLD, out of which HTDS effluent of 15.53 KLD which is sent to MEE system of JETL and 9.97 KLD of LTDS to CETP. This facility is being replaced by ZLD system. In this 253.2 KLD of HTDS is Sent to Stripper. Stripper condensate shall be disposed to cement industries for co-processing/TSDF. Stripper bottom is sent to MEE followed by AFTD. Condensate from MEE shall be sent to biological treatment plant followed by RO. RO rejects are sent to MEE and permeate is reused in cooling towers make-up. 102 KLD of LTDS is Sent to biological treatment system followed by RO. RO permeate reused for cooling towers make-up. RO rejects are sent to MEE.
6	Products: Comparison of existing and proposed (which are going for expansion)	Comparison of Existing and Proposed products which are going for expansion is given in Appendix 1
7	Verification of production records for one year	Verified and found to be audited
8	Raw material : Comparison of existing and proposed (which are going for expansion)	Details of existing raw materials and proposed Raw Material are provided in Appendix 2
9	Solid waste: Comparison of existing and proposed (which are going for expansion)	Details of existing and proposed Solid waste are provided in Appendix 3
10	Impact on surroundings	<p>Water Pollution: Total effluent generated increased from 25.5 KLD to 355.2 KLD and same will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up and scrubbers in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible.</p> <p>Air Pollution: It is proposed to establish coal fired boiler of capacity 1 x 10 TPH, 1 x 5 TPH meet the steam requirement for process, in addition to existing 1 x 3 TPH coal fired boiler, proposed 1 x 2 Lakh K. Cal/Air oil fired thermic fluid heater. The DG sets required for emergency power during load shut down is estimated at 2125 kVA and accordingly 1 x 1500 kVA proposed in addition to existing 1 x 625 kVA.</p> <p>The process emissions contain ammonia, Carbon dioxide and hydrogen chloride. Ammonia, hydrogen chloride is sent to scrubber in series. The resultant solutions after scrubbing i.e., ammonium chloride from ammonia, sodium chloride from hydrogen chloride scrubbing are sent to ETP. Carbon dioxide is let out into atmosphere following a standard operating procedure.</p> <p>Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</p>

Minutes of the SEAC Meeting held on 10.09.2020

		<p><i>Soil pollution: All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</i></p> <p><i>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate are sent to authorized recovery units/ Cement plants for co-incineration.</i></p> <p><i>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. . Hence impact on soil pollution is minimal</i></p>
11	<i>Applicability of S.O.804(E), dt. 14.03.2017 & S.O.1030(E) dt.08.03.2018 issued by the MoEF&CC, GoI.</i>	<i>Adhering to all the rules and regulations as per the procedure. The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.</i>
12	<i>Implementation of disaster management plan and safety measures in the exiting project and proposed expansion</i>	<i>The company has made alternate and stand by arrangements to meet the un foreseen disasters. Disaster management plan and safety measures submitted along with EMP report</i>
13	<i>Green belt development</i>	<i>M/s. Sri Krishna Pharmaceuticals Limited, Unit IV developed green belt in a total area of 1.5 acres covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment</i>
14	<i>Compliance of Hon'ble NGT order dt 19.08.2019 (published on 23.08.2019) in QA No.1038/2018 as per OM dt 31.10.2019 of the MOEF&CC, GOI</i>	<i>Enclosed</i>

Recommendations:

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project.

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. 25	M/s. Vedgir Life Sciences, Sy Nos: Parts of 318, 318 & 321, Pallepahad (V), Thurkapally (M), Yadadri-Bhongiri District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/154386/2020 (EC)

Earlier, the SEAC in its meeting held on 17.06.2020 constituted a sub-committee to inspect the site and submit report on present status of the project, adequacy of EMP measures proposed, impacts of the project on surrounding environment.

Minutes of the SEAC Meeting held on 10.09.2020

The Sub-Committee constituted by the SEAC inspected the site on 23.07.2020 submitted the report. The following observations were made by the sub-committee members:

	<i>To Verify the issues</i>	<i>Observations</i>
1	<i>Present status of the project</i>	<i>Vedgir Life Sciences is a newly proposed Bulk Drugs & Drug intermediates manufacturing unit located at Sy. No's.: Parts of 318, 319 & 321, Pallepahad (V), Thurkapally (M), Yadadri – Bhongir (D), Telangana (S). The company proposed to manufacture Bulk Drugs & Drug Intermediates with production capacity of 75 MT/Month Yet to start.</i>
2	<i>Adequacy of EMP measures Proposed</i>	<i>Unit is proposing ETP system consist of MEE, BTP followed by RO treatment plant for the treatment of Domestic and Trade effluent. The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the Annexure-I. After installation of the above ZLD it is adequate to deal with effluents.</i>
3.	<i>Proposed Products</i>	<i>Proposed products are given in Annexure II</i>
4	<i>Impacts of the project on surrounding environment</i>	<i>As the unit is proposing ZLD system to treat the generated effluent and recovered water will be reused in the plant operations. The generated hazardous and solid wastes are being sent to TSDF and to the Cement industry. Flue gases from boiler will be dispersed through a 30 mtr height chimney and multi-cyclones separator and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system, hence, there will not be any impact on the surrounding.</i>
5	<i>Green belt development</i>	<i>Vedgir Life Sciences has an area of 9.77 Acres (39537.79 Sq.m). out of which 19287.80 Sq. m (48.78 %) is about Green Belt area. At present green belt development is in progress and the proponent has to submit an undertaking to full fill the norm.</i>

Recommendations:

Impact of the proposed pharmaceutical products on the water body and surrounding environmental at the site with the above EMP measures in place do not have adverse effects. Environmental Clearance may be given to the project subject to the submission of the following undertakings.

1. *Construct the approach all weather CC roads to the site that would be suitable for plying heavy vehicles*
2. *Develop the green belt and preserve the existing trees in the plot*
3. *Disposal of solid waste to TSDF*
4. *Boilers should have bag filters*
5. *SO₂ gas should be passed through two stage scrubbers*

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

Minutes of the SEAC Meeting held on 10.09.2020

Agenda Item No. 26	M/s. Yadadri Drugs & Intermediates., Sy Nos: Parts of 87, 89, 90, 92, 98, 99, 100, 103 & 104, Kurraram (V), Rajapet (M), Yadadri-Bhongiri District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/154465/2020 (EC)

Earlier, the SEAC in its meeting held on 17.06.2020 constituted a sub-committee to inspect the site and submit report on present status of the project, adequacy of EMP measures proposed, impacts of the project on surrounding environment.

The Sub-Committee constituted by the SEAC inspected the site on 24.07.2020 submitted the report. The following observations were made by the sub-committee members:

	To Verify the issues	Observations
1	<i>Present status of the project</i>	<i>Yadadri Drugs & Intermediates, is newly proposed Bulk Drugs & Drug intermediates manufacturing unit located at Sy No's: Parts of 87, 89, 90, 92, 98, 99, 100, 103 & 104, Kurraram Village, Rajapet Mandal, Yadadri-Bhongiri District, Telangana State. The company proposed to manufacture Bulk Drugs & Drug Intermediates with production capacity of 100 MT/Month Yet to start.</i>
2	<i>Adequacy of EMP measures Proposed</i>	<i>Unit is proposing ETP system consist of MEE, BTP followed by RO treatment plant for the treatment of Domestic and Trade effluent. The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the Annexure-I. After installation of the above ZLD it is adequate to deal with effluents</i>
3.	<i>Proposed Products</i>	<i>Proposed products are given in Annexure II</i>
4	<i>Impacts of the project on surrounding environment</i>	<i>As the unit is proposing ZLD system to treat the generated effluent and recovered water will be reused in the plant operations. The generated hazardous and solid wastes are being sent to TSDF and to the Cement industry. Flue gases from boiler will be dispersed through a 30 mtr height chimney and multi-cyclones separator and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system, hence, there will not be any impact on the surrounding.</i>
5	<i>Green belt development</i>	<i>Yadadri Drugs and Intermediates, has an area of 14.55 Acres (58881.75 Sq. m) out of which 31663.1 Sq. m (53.77 %) is about Green Belt area.</i>

Recommendations:

Impact of the proposed pharmaceutical products on the water body and surrounding environment at the site with the above EMP measures in place do not have adverse effects. Environmental Clearance may be given to the project subject to the submission of the following undertakings.

1. *Construct the approach all weather CC roads to the site that would be suitable for plying heavy vehicles*
2. *Develop the green belt and preserve the existing trees in the plot*
3. *Disposal of solid waste to TSDF*
4. *Boilers should have bag filters*
5. *SO₂ gas should be passed through two stage scrubbers*

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

Minutes of the SEAC Meeting held on 10.09.2020

Agenda Item No. 27	M/s. Bhavyas Pharmaceuticals Pvt. Ltd., Sy. No's.: 367/A/1 & 367/A/3, Pedda Gottimukkala (V), Shivampet (M), Medak District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/152610/2020 (EC)

Earlier, the SEAC in its meeting held on 23.05.2020 constituted a sub-committee 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

The Sub-Committee constituted by the SEAC inspected the site on 21.07.2020 submitted the report. The following observations were made by the sub-committee members:

	<i>To Verify the issues</i>	<i>Observations</i>
1	<i>Distance from Patancheru and Bolaram industrial area</i>	<i>Project Site to Bollaram Industrial Area is 22.60 Km (S) and to Patancheru Industrial Area is 26.79 Km (SSW)</i>
2	<i>Projectmodification</i>	<i>proposed expansion of API manufacturing capacity from 9 TPM to 10.00 TPM</i>
3	<i>Projectcost</i>	<i>Proposed Cost – 5.5 Crores</i>
4	<i>ZLDSystem&itsadequacy</i>	<i>The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Treatment system The effluent will be neutralized, the HTDS effluent will be sent to steam stripping Column for collection of solvents which are dissolved in the waste water stream. After stripping effluent will be sent to Double effect Evaporation system which contains 2 Calendrias. The concentrate from the MEE System will be sent to ATFD and salts from the ATFD will be collected and sent to TSDf for safe disposal. The condensate from DEE will be sent to biological treatment followed by RO system for further process. The LTDS effluent will be sent to Biological treatment followed by RO system along with the Condensate from the MEE.</i>

Minutes of the SEAC Meeting held on 10.09.2020

		<p>The RO permeate will be reused and RO reject will be sent to MEE for further evaporation. All the treatment tanks etc. is constructed / installed only with acid proofing and 1.5 to 2.5 meters above the Ground Level. In addition Rain Water Harvesting System will be put in practice to recharge the ground water aquifers.</p> <p>Sludge from various units of Biological treatment are thickened in sludge handling system and sent to TSDF. The system is quite Adequate</p>
5	ETP modifications	Earlier the unit is sending its HTDS & LTDS effluent to the CETP of M/s. JETL, Jeedimetla after pretreatment and domestic effluent is sent to septic tank followed by Soak pit and now the unit is proposing to have ETP as mentioned in the ZLD system.
6	Products: Comparison of existing and proposed (which are going for expansion) Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST	Earlier the unit is manufacturing Bulk Drug Intermediates with a capacity of 9 TPM (300 Kg/Day) . Now proposes to manufacture Bulk Drugs & Intermediates 10 TPM and details are provided in Appendix 1
7	Verification of production records for one year	Verified and found to be audited
8	Raw material : Comparison of existing and proposed (which are going for expansion)	Details of existing raw materials and proposed Raw Material are provided in Appendix 2
9	Solid waste: Comparison of existing and proposed (which are going for expansion)	Details of existing and proposed Solid waste are provided in Appendix 3
10	Impact on surroundings	As the unit is proposing ZLD system to treat the generated effluent and recovered water will be reused in the plant operations. The generated hazardous and solid wastes are being sent to TSDF and to the Cement industry. Flue gases from boiler will be dispersed through a 30 mtr height chimney and multi-cyclones separator and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system, hence, there will not be any impact on the surrounding
11	Applicability of S.O. 804(E), dt. 14.03.2017 & S.O. 1030(E) dt. 08.03.2018 issued by the MoEF & CC, GoI.	Adhering to all the rules and regulations as per the procedure. The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.
12	Justification of project w.r.t. GO Ms.No. 95 dt 21.09.2007; GO No.64 dt 25.07.2013 and GO Ms.No. 24 dt 24.04.2019	The project site doesn't cover under the above GO'S
13	Implementation of disaster management plan and safety measures in the existing project and proposed expansion	The company has made alternate and stand by arrangements to meet the un foreseen disasters. Disaster management plan and safety measures submitted along with EMP report
14	Green belt development	At present green belt development is in progress and the proponent has to submit an undertaking to full fill the norm of 33%

Minutes of the SEAC Meeting held on 10.09.2020

Recommendations:

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project subject to the submission of an undertaking for implementing the 33% of green belt cover.

The SEAC examined the report of the Sub-Committee and Undertaking submitted by the proponent. After detailed discussions, the SEAC recommended the project for issue of EC.

Agenda Item No.28	M/s. Cirex Pharmaceuticals Limited, Sy.No. 364(Part), 365, 371(Part), 372(Part), 373(Part), 378(Part), 429(Part), 430 (Part), 432(Part), 433(Part), 434(Part) and 435/1, Gundla Machnoor Village, Hatnoora Mandal, Sangareddy District, Telangana – Environmental Clearance (Expansion) - Reg.
Proposal No.	SIA/TG/IND2/155208/2020 (EC)

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

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

The Sub-Committee constituted by the SEAC inspected the site on 02.08.2020 submitted the report. The following observations were made by the sub-committee members:

	<i>To Verify the issues</i>	<i>Observations</i>
1	<i>Distance from Patancheru and Bolaram industrial area</i>	<i>M/s. CIREX PHARMACEUTICALS LTD. Sy No. 364(PART), 365, 371(PART), 372(PART), 373(PART), 378(PART), 429(PART), 430 (PART), 432(PART), 433(PART), 434(PART) AND 435/1, Gundlamachnoor Village, Hatnooramandal, Sangareddy district, Telangana M/s. at a distance of around 25 Km from the Patancheru and Bollaram Industrial Areas</i>
2	<i>Projectmodification</i>	<i>M/s. CIREX PHARMACEUTICALS LTD. Sy No. 364(PART), 365, 371(PART), 372(PART), 373(PART), 378(PART), 429(PART), 430 (PART), 432(PART), 433(PART), 434(PART) AND 435/1, Gundlamachnoor Village, Hatnooramandal, Sangareddy district, Telangana proposes to increase in production capacity from 133 Kg/day to 20001Kg/day and change in product mix.</i>

		<i>The industry shall not produce more than 35 products and individual capacities mentioned in EIA.</i>
3	<i>Project cost</i>	<i>The capital cost for the proposed expansion project is Rs. 45 crores. The cost estimate of environment management is 9.03 crores capital cost and 21.68 crores recurring cost.</i>
4	<i>ZLD System & its adequacy</i>	<i>Industry is up grading ZLD to treat proposing to treat 362 KLD HTDS and 140 KLD LTDS</i> <i>The system is quite Adequate</i>
5	<i>ETP modifications</i>	<p><i>The Effluent management system is developed to ensure 'Zero Liquid Discharge'. Segregation of effluents is an integral part that facilitates effective treatment of various effluent streams. The effluents are segregated into two streams; High COD/ TDS and Low COD/ TDS streams. Effluent generated from process, washings, scrubbers and rejects from RO/DM are considered as HTDS while utility blow downs and domestic wastewater considered as LTDS effluents.</i></p> <p><i>The High TDS/ COD Effluents</i></p> <p><i>The treatment system for treating High TDS/ COD effluents consists of Equalization, Neutralization, Settling tank, Stripper, Multiple Effect Evaporator (MEE) followed by Agitated Thin Film Dryer (ATFD). The organic distillate from the stripper is sent to cement plants for co-incineration and aqueous bottom from stripper is sent to MEE followed by ATFD for evaporation. The condensate from the MEE and ATFD are sent to ETP (Biological). Salts from ATFD are disposed to TSDF.</i></p> <p><i>The Low TDS/ COD Effluents:</i></p> <p><i>These effluents along with the condensate from MEE and ATFD are treated in primary treatment consisting of equalization, neutralization, and primary sedimentation followed by secondary biological treatment consisting of aeration tank and clarifier.</i></p> <p><i>The treated effluents after biological treatment are subjected to tertiary treatment in a reverse osmosis (Double Stage RO) system. Permeate from RO is reused for cooling tower make-up and rejects are sent to MEE followed by ATFD. Sludge from various units of Biological treatment are thickened in sludge handling system and sent to TSDF.</i></p> <p><i>Existing</i></p> <p><i>Stripper-10 KLD, MEE-50 KLD & ATFD-10m² Bio ETP - 250 KLD, RO Plant-300 KLD</i></p> <p><i>Expanding and proposing to</i></p> <p><i>Stripper-1 x 200 and 1 x 150 KLD, MEE-350 KLD (2 No.s) & ATFD-20m² (2 No.s) Bio ETP - 300 KLD, RO Plant-150 KLD and 300 KLD</i></p>

Minutes of the SEAC Meeting held on 10.09.2020

6	<i>Products: Comparison of existing and proposed (which are going for expansion)</i>	<i>Comparison of Existing and Proposed products which are going for expansion is given in Appendix 1</i>
7	<i>Verification of production records for one year</i>	<i>Verified and found to be audited</i>
8	<i>Raw material : Comparison of existing and proposed (which are going for expansion)</i>	<i>Details of existing raw materials and proposed Raw Material are as described in EIA</i>
9	<i>Solid waste: Comparison of existing and proposed (which are going for expansion)</i>	<i>Details of existing and proposed Solid waste are provided in Appendix 2</i>
10	<i>Impact on surroundings</i>	<p><i>Water Pollution: Total effluent generated increased from 362KLD HTDS and 150KLD LTDS. All these effluents will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up and scrubbers in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible.</i></p> <p><i>Air Pollution: It is proposed to establish additional coal fired boiler of capacity 2 x 20 TPH, to meet the steam requirement for process.</i></p> <p><i>The process emissions contain HF, HCl, CO₂, H₂S and SO₂. Out of these HF, HCl, H₂S and SO₂ are sent to scrubber in series. The resultant solutions after scrubbing are sent to ETP. H and CO₂ are let out into atmosphere following a standard operating procedure.</i></p> <p><i>Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</i></p> <p><i>Soil pollution: All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</i></p> <p><i>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate are sent to authorized recovery units/ Cement plants for co-incineration.</i></p> <p><i>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. . Hence impact on soil pollution is minimal</i></p>
11	<i>Applicability of S.O.804(E), dt. 14.03.2017 & S.O.1030(E) dt. 08.03.2018 issued by the MoEF&CC, GoI.</i>	<i>Adhering to all the rules and regulations as per the procedure. The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.</i>

Minutes of the SEAC Meeting held on 10.09.2020

12	Implementation of disaster management plan and safety measures in the exiting project and proposed expansion	The company has made alternate and stand by arrangements to meet the un foreseen disasters. Disaster management plan and safety measures submitted along with EMP report
13	Green belt development	M/s. CIREX PHARMACEUTICALS LTD. Sy No. 364(PART), 365, 371(PART), 372(PART), 373(PART), 378(PART), 429(PART), 430 (PART), 432(PART), 433(PART), 434(PART) AND 435/1, Gundlamachnoor Village, Hatnooramandal, Sangareddy district, Telangana. developed green belt in more than stipulated one third of total area covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment
14	Compliance of Hon'ble NGT order dt 19.08.2019 (published on 23.08.2019) in QA No.1038/2018 as per OM dt 31.10.2019 of the MOEF&CC, GOI	A Self declaration need to be submitted by the proponent

Recommendations:

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project.

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

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

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

Minutes of the SEAC Meeting held on 10.09.2020

xv) Compliance of Hon'ble NGT Order dt.19.08.2019 (Published on 23.08.2019) in OA. No. 1038 / 2018 as per OM dt.31.10.2019 of the MoEF&CC, GoI.

The Sub-Committee constituted by the SEAC inspected the site on 04.08.2020 and submitted the report. The following observations were made by the sub-committee members:

	<i>To Verify the issues</i>	<i>Observations</i>
1	<i>Distance from Patancheru and Bolaram industrial area</i>	<i>M/s. HONOUR LAB LIMITED, Sy No. 200,201,202,203, 203A, 204 & 206A, 205/E, 221 (PART), 518/A, IDABonthapally, Gummadidala mandalSangareddy district, Telanganaat a distance of around 25 Km from the Patancheru and Bollaram Industrial Areas</i>
2	<i>Projectmodification</i>	<i>M/s. HONOUR LAB LIMITED, Sy No. 200,201,202,203, 203A, 204 & 206A, 205/E, 221 (PART), 518/A, IDABonthapally, Gummadidala mandal, Sangareddy district, Telangana, proposes to increase in production capacity from 27 TPM to 66TPMand change in product mix. The industry shall not produce more than 7 products and individual capacities mentioned in EIA.Acquiring additional 8.42 acres land and the document is attached.</i>
3	<i>Projectcost</i>	<i>The capital cost for the proposed expansion project is Rs. 35 crores. The cost estimate of environment management is 6.98 crores capital cost and 7.02crores recurring cost.</i>
4	<i>ZLDSystem&itsadequacy</i>	<i>Industry is up grading ZLD to treat proposing to treat 305KLD HTDS and 163 KLD LTDS The system is quiet Adequate</i>
5	<i>ETPmodifications</i>	<i>The Effluent management system is developed to ensure 'Zero Liquid Discharge'. Segregation of effluents is an integral part that facilitates effective treatment of various effluent streams. The effluents are segregated into two streams; High COD/ TDS and Low COD/ TDS streams. Effluent generated from process, washings, scrubbers and rejects from RO/DM are considered as HTDS while utility blow downs and domestic wastewater considered as LTDS effluents.</i> <i>The High TDS/ COD Effluents</i> <i>The treatment system for treating High TDS/ COD effluents consists of Equalization, Neutralization, Settling tank, Stripper, Multiple Effect Evaporator (MEE) followed by Agitated Thin Film Dryer (ATFD).The organic distillate from the stripper is sent to cement plants for co-incineration and aqueous bottom from stripper is sent to MEE followed by ATFD for evaporation. The condensate from the MEE and ATFD are sent to ETP (Biological). Salts from ATFD are disposed to TSDF.</i>

		<p><i>The Low TDS/ COD Effluents:</i> <i>These effluents along with the condensate from MEE and ATFD are treated in primary treatment consisting of equalization, neutralization, and primary sedimentation followed by secondary biological treatment consisting of aeration tank and clarifier.</i></p> <p><i>The treated effluents after biological treatment are subjected to tertiary treatment in a reverse osmosis (Double Stage RO) system. Permeate from RO is reused for cooling tower make-up and rejects are sent to MEE followed by ATFD. Sludge from various units of Biological treatment are thickened in sludge handling system and sent to TSDF. Capacity of ZLD system after expansion is mentioned below</i></p> <p><i>Existing</i> <i>Stripper-250 KLD,</i> <i>MEE-200 KLD & ATFD-25m2</i> <i>Bio ETP - 200 KLD,</i> <i>RO Plant-200 KLD</i> <i>Expanding and proposing to</i> <i>Stripper-150 KLD ,</i> <i>MEE-200 KLD (1 No.s) & ATFD-25m2 (1 No.s)</i> <i>Bio ETP - 400 KLD,</i> <i>RO Plant-400 KLD and 250 KLD</i></p>
6	<i>Products: Comparison of existing and proposed (which are going for expansion)</i>	<i>Comparison of Existing and Proposed products which are going for expansion is given in Appendix 1</i>
7	<i>Verification of production records for one year</i>	<i>Verified and found to be audited</i>
8	<i>Raw material : Comparison of existing and proposed (which are going for expansion)</i>	<i>Details of existing raw materials and proposed Raw Material are as described in EIA</i>
9	<i>Solid waste: Comparison of existing and proposed (which are going for expansion)</i>	<i>Details of existing and proposed Solid waste are provided in Appendix 2</i>
10	<i>Impact on surroundings</i>	<p><i>Water Pollution: Total effluent generated increased from 305KLD HTDS and 16320KLD LTDS. All these effluents will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up and scrubbers in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible.</i></p> <p><i>Air Pollution: It is proposed to establish additional coal fired boiler of capacity 1 x 20 TPH, 2 x 2 lakh Kcal THF to meet the steam requirement for process. The process emissions contain HI, H and O2. HI is sent to scrubber in series. The resultant solutions after scrubbing are sent to ETP. H and O2 are let out into atmosphere following a standard operating procedure.</i></p> <p><i>Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</i></p>

Minutes of the SEAC Meeting held on 10.09.2020

		<p><i>Soil pollution: All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</i></p> <p><i>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate are sent to authorized recovery units/ Cement plants for co-incineration.</i></p> <p><i>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. . Hence impact on soil pollution is minimal</i></p>
11	<i>Applicability of S.O.804(E), dt.14.03.2017 & S.O.1030(E) dt.08.03.2018 issued by the MoEF&CC, GoI.</i>	<i>Adhering to all the rules and regulations as per the procedure. The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.</i>
12	<i>Implementation of disaster management plan and safety measures in the exiting project and proposed expansion</i>	<i>The company has made alternate and stand by arrangements to meet the un foreseen disasters. Disaster management plan and safety measures submitted along with EMP report</i>
13	<i>Green belt development</i>	<i>M/s. HONOUR LAB LIMITED, Sy No. 200,201,202,203, 203A, 204 & 206A, 205/E, 221 (PART), 518/A, IDA Bonthapally, Gummadidala mandal, developed green belt in more than stipulated one third of total area covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment</i>
14	<i>Compliance of Hon'ble NGT order dt 19.08.2019 (published on 23.08.2019) in QA No.1038/2018 as per OM dt 31.10.2019 of the MOEF&CC, GOI</i>	<i>A Self declaration need to be submitted by the proponent</i>

Recommendations:

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project

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

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

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

The Sub-Committee constituted by the SEAC inspected the site on 01.08.2020 submitted the report. The following observations were made by the sub-committee members:

	To Verify the issues	Observations
1	<i>Distance from Patancheru and Bollaram industrial area</i>	M/s. HETRO DRUGS LTD. UNIT ISy No. 213,215,220 & 253IDABonthapally, Gummadidala mandalSangareddy district, Telanganaat a distance of around 25 Km from the Patancheru and Bollaram Industrial Areas
2	<i>Projectmodification</i>	M/s. HETRO DRUGS LTD. UNIT ISy No. 213, 215, 220 & 253 IDA Bonthapally, Gummadidala mandal, Sangareddy district, Telangana, proposes to increase in production capacity from 7173 Kg/day to 20000 Kg/day and change in product mix. The industry shall not produce more than35 products and individual capacities mentioned in EIA. They are acquiring additional 2 acres land
3	<i>Projectcost</i>	The capital cost for the proposed expansion project is Rs. 40 crores. The cost estimate of environment management is12.9 crores capital cost and 21.2 crores recurring cost.
4	<i>ZLDSystem&itsadequacy</i>	Industry is up grading ZLD to treat proposing to treat 400 KLD HTDS and 200KLD LTDS The system is quiet Adequate

Minutes of the SEAC Meeting held on 10.09.2020

5	ETP modifications	<p>The Effluent management system is developed to ensure 'Zero Liquid Discharge'. Segregation of effluents is an integral part that facilitates effective treatment of various effluent streams. The effluents are segregated into two streams; High COD/ TDS and Low COD/ TDS streams. Effluent generated from process, washings, scrubbers and rejects from RO/DM are considered as HTDS while utility blow downs and domestic wastewater considered as LTDS effluents.</p> <p>The High TDS/ COD Effluents</p> <p>The treatment system for treating High TDS/ COD effluents consists of Equalization, Neutralization, Settling tank, Stripper, Multiple Effect Evaporator (MEE) followed by Agitated Thin Film Dryer (ATFD). The organic distillate from the stripper is sent to cement plants for co-incineration and aqueous bottom from stripper is sent to MEE followed by ATFD for evaporation. The condensate from the MEE and ATFD are sent to ETP (Biological). Salts from ATFD are disposed to TSDF.</p> <p>The Low TDS/ COD Effluents:</p> <p>These effluents along with the condensate from MEE and ATFD are treated in primary treatment consisting of equalization, neutralization, and primary sedimentation followed by secondary biological treatment consisting of aeration tank and clarifier.</p> <p>The treated effluents after biological treatment are subjected to tertiary treatment in a reverse osmosis (Double Stage RO) system. Permeate from RO is reused for cooling tower make-up and rejects are sent to MEE followed by ATFD. Sludge from various units of Biological treatment are thickened in sludge handling system and sent to TSDF. Capacity of ZLD system after expansion is mentioned in below Existing</p> <p>Stripper-250 KLD, MEE-250 KLD & ATFD-45m² Bio ETP - 200 KLD, RO Plant-300 KLD</p> <p>Expanding and proposing to</p> <p>Stripper-3 x 100 KLD , MEE-300 KLD (1 No.s) & ATFD-25m² (1 No.s) Bio ETP - 500 KLD, RO Plant-420 KLD and 300 KLD</p>
6	Products: Comparison of existing and proposed (which are going for expansion)	Comparison of Existing and Proposed products which are going for expansion is given in Appendix 1
7	Verification of production records for one year	Verified and found to be audited
8	Raw material : Comparison of existing and proposed (which are going for expansion)	Details of existing raw materials and proposed Raw Material are as described in EIA

9	<i>Solidwaste: Comparison of existing and proposed (which are going for expansion)</i>	<i>Details of existing and proposed Solid waste are provided in Appendix 2</i>
10	<i>Impact on surroundings</i>	<p><i>Water Pollution: Total effluent generated increased from 401KLD HTDS and 210KLD LTDS. All these effluents will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up and scrubbers in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible.</i></p> <p><i>Air Pollution: It is proposed to establish additional coal fired boiler of capacity 1 x 20 TPH, 2 x 2 lakh Kcal THF to meet the steam requirement for process. The process emissions contain Ammonia, CO₂, HBr, H₂SO₄, Br, HI and O₂. Out of these HBr, SO₂, HI, Br and Ammonia are sent to scrubber in series. The resultant solutions after scrubbing are sent to ETP. H₂CO₃ and O₂ are let out into atmosphere following a standard operating procedure.</i></p> <p><i>Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</i></p> <p><i>Soil pollution: All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</i></p> <p><i>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate are sent to authorized recovery units/ Cement plants for co-incineration.</i></p> <p><i>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorized recyclers. Hence impact on soil pollution is minimal</i></p>
11	<i>Applicability of S.O.804(E), dt.14.03.2017 & S.O.1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.</i>	<i>Adhering to all the rules and regulations as per the procedure. The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.</i>
12	<i>Implementation of disaster management plan and safety measures in the existing project and proposed expansion</i>	<i>The company has made alternate and stand by arrangements to meet the un foreseen disasters. Disaster management plan and safety measures submitted along with EMP report</i>
13	<i>Green belt development</i>	<p>M/s. HETRO DRUGS LTD. UNIT ISy No. 213,215,220 & 253IDABonthapally, Gummadidala mandal</p> <p><i>developed green belt in more than stipulated one third of total area covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment</i></p>

Minutes of the SEAC Meeting held on 10.09.2020

14 Compliance of Hon'ble NGT order dt 19.08.2019 (published on 23.08.2019) in QA No.1038/2018 as per OM dt 31.10.2019 of the MOEF&CC, GOI	A Self declaration need to be submitted by the proponent
---	--

Recommendations:

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project.

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. 31	M/s. Aurobindo Pharma Limited, Unit - IX, Sy.No. 305, 369 to 371, 373, 374 and 377, Gundlamachanoor Village, Hatnoor Mandal, Sangareddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/151785/2020 (EC)

Earlier, the SEAC in its meeting held on 29.05.2020 constituted a sub-committee 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

The Sub-Committee constituted by the SEAC inspected the site on 27.07.2020 submitted the report. The following observations were made by the sub-committee members:

	<i>To Verify the issues</i>	<i>Observations</i>
1	<i>Distance from Patancheru and Bolaram industrial area</i>	<i>Project Site located at a distance of 9.83 Km from Patancheru and Bollaram Industrial Areas</i>
2	<i>Project modification</i>	<i>Proposed to expand the API manufacturing capacity from 34.7 TPM to 173 TPM in existing site area of 25.04 acres.</i>
3	<i>Project cost</i>	<i>The capital cost for the proposed expansion project is Rs. 50 crores. The cost estimate form environment management is 6.12 crores and annual recurring expenditure is 11.8 crores..</i>
4	<i>ZLD System & its adequacy</i>	<i>Industry is proposing to upgrade the existing effluent treatment plant to 450 KLD to treat the 350 KLD effluents (which includes both HTDS and LTDS). Treated effluents are proposed to reuse in utilities. The system is quiet Adequate</i>

5	ETP modifications	The Present permitted effluent is 12.2 KLD, out of which HTDS effluent of 7.9 KLD which is sent to Stripper followed by MEE and ATFD. Stripper Condensate sent to Cement Plants for Co-Incineration. MEE and ATFD Condensate along with LTDS effluent of quantity 3.3 KLD sent to CETP, Patancheru. After proposed expansion the total effluent generated is 314.5 KLD, out of which 287 will be treated in "Zero Liquid Discharge System" (ZLD). Capacity of ZLD system presented in Point no. iii and domestic wastewater and garment washings of quantity 27.5 KLD will be sent to sewage treatment plant (STP) and treated wastewater is reused for greenbelt development.1
6	Products: Comparison of existing and proposed (which are going for expansion)	Comparison of Existing and Proposed products which are going for expansion is given in Appendix 1
7	Verification of production records for one year	Verified and found to be audited
8	Raw material : Comparison of existing and proposed (which are going for expansion)	Details of existing raw materials and proposed Raw Material are provided in Appendix 2
9	Solid waste: Comparison of existing and proposed (which are going for expansion)	Details of existing and proposed Solid waste are provided in Appendix 3
10	Impacts surroundings	<p>Water Pollution: Total effluent generated increased from 12.2 KLD to 314.5 KLD and same will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible.</p> <p>Air Pollution: It is proposed to establish coal fired boiler of capacity 1 x 12 TPH to meet the steam requirement for process, in addition to existing 1 x 12 TPH and 1 x 8 TPH coal fired boilers. The DG sets required for emergency power during load shut down is estimated at 2140 kVA and accordingly 2 x 380 kVA proposed in addition to existing 2 x 500 kVA and 1 x 380 kVA.</p> <p>Process emissions contain ammonia, carbon dioxide, carbon monoxide, hydrogen, nitrogen, oxygen, hydrogen bromide, hydrogen chloride and sulfur dioxide. Ammonia, hydrogen chloride, hydrogen bromide, and Sulphur dioxide are sent to scrubber in series. The resultant solutions after scrubbing i.e., ammonium chloride from ammonia, sodium chloride from hydrogen chloride, sodium bromide from hydrogen bromide, sodium sulphate from sulfur dioxide scrubbing are sent to ETP. Carbon dioxide, carbon monoxide, Nitrogen, and Oxygen are let out into atmosphere following a standard operating procedure, while Hydrogen gas is let out into atmosphere through a water column. Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</p>

Minutes of the SEAC Meeting held on 10.09.2020

11	<i>Applicability of S.O.804(E), dt.14.03.2017 & S.O.1030(E) dt.08.03.2018 issued by the MoEF&CC, GoI.</i>	<i>Adhering to all the rules and regulations as per the procedure. The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.</i>
12	<i>Justification of project w.r.t. GO Ms.No. 95 dt 21.09.2007; GO No.64 dt25.07.2013 and GO Ms.No. 24 dt 24.04.2019</i>	<i>The project site doesn't cover under the above GO'S</i>
13	<i>Implementation of disaster management plan and safety measures in the existing project and proposed expansion</i>	<i>The company has made alternate and stand by arrangements to meet the un foreseen disasters. Disaster management plan and safety measures submitted along with EMP report</i>
14	<i>Green belt development</i>	<i>M/s. Aurobindo Pharma Ltd. Unit IX developed green belt in a total area of 8.27 acres covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment.</i>

Recommendations:

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project.

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

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

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

Minutes of the SEAC Meeting held on 10.09.2020

The Sub-Committee constituted by the SEAC inspected the site on 05.08.2020 submitted the report. The following observations were made by the sub-committee members:

	<i>To Verify the issues</i>	<i>Observations</i>
1	<i>Distance from Patancheru and Bolaram industrial area</i>	<i>M/s. Hetero Labs Limited Unit 1 sy.no. 10 and 10/1, Gaddapotharamida, Gaddapotharam village, Jinnarammandal, Sangareddy district, Telangana at a distance of around 25 Km from the Patancheru and Bollaram Industrial Areas</i>
2	<i>Projectmodification</i>	<i>M/s. Hetero Labs Limited Unit 1 sy.no. 10 and 10/1, Gaddapotharamida, Gaddapotharam village, Jinnarammandal, Sangareddy district, Telangana, proposes to increase in production capacity from 5934 Kg/day to 20023 kg/day and change in product mix. The industry shall not produce more than 60 products and individual capacities mentioned in EIA</i>
3	<i>Projectcost</i>	<i>The capital cost for the proposed expansion project is Rs. 65 crores. The cost estimate of environment management is 19.49 crores capital cost and 28.60 crores recurring cost.</i>
4	<i>ZLDSystem&itsadequacy</i>	<i>Industry is proposing to construct upgrade ZLD system to treat 570.6KLD HTDS and 224 KLD LTDS. The system is quiet Adequate</i>
5	<i>ETPmodifications</i>	<i>The total permitted effluent is 310.3 KLD, out of which HTDS effluent of 255.3 KLD which is sent to Stripper followed by MEE and ATFD. Stripper Condensate sent to Cement Plants for Co-Incineration. MEE and ATFD Condensate along with LTDS effluent of quantity 55 KLD sent to biological treatment system. After proposed expansion the total effluent generated is 794.6 KLD which will be treated in "Zero Liquid Discharge System" (ZLD). Capacity of ZLD system presented as above. Existing Stripper-250 KLD, MEE-250 KLD (1 No.s) & ATFD-45m2 (1 No.s) Bio ETP - 250 KLD RO Plant-300 KLD Expanding and proposing to Stripper-3x100 KLD MEE-300 KLD Bio ETP - 500 KLD RO Plant-I - 450 KLD RO-II Plant – 300 KLD</i>
6	<i>Products:Comparisonofexistingand dproposed(whicharegoingforexpan sion)</i>	<i>Comparison of Existing and Proposed products which are going for expansion is given in Appendix 1</i>
7	<i>Verification of production records for one year</i>	<i>Verified and found to be audited</i>
8	<i>Raw material : Comparison of existing and proposed (which are going forexpansion)</i>	<i>Details of existing raw materials and proposed Raw Material are as described in EIA</i>
9	<i>Solidwaste:Comparison of existing and proposed (which are going for expansion)</i>	<i>Details of existing and proposed Solid waste are provided inAppendix 2</i>

Minutes of the SEAC Meeting held on 10.09.2020

10	Impact surroundings	<p><i>Water Pollution: Total effluent generated increased from 211 KLD HTDS and 55 KLD LTDS to 401 KLD HRDS and 210 KLD LTDS. All these effluents will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up and scrubbers in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible.</i></p> <p><i>Air Pollution: It is proposed to establish additional coal fired boiler of capacity 1 x 20 TPH to meet the steam requirement for process.</i></p> <p><i>The process emissions contain ammonia, Carbon dioxide Nitrogen, SO₂, CO₂, Cl, HI and hydrogen chloride. Ammonia, SO₂, HI, hydrogen chloride is sent to scrubber in series. The resultant solutions after scrubbing i.e., ammonium chloride from ammonia, sodium chloride from hydrogen chloride scrubbing are sent to ETP. Carbon dioxide is let out into atmosphere following a standard operating procedure.</i></p> <p><i>Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</i></p> <p><i>Soil pollution: All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</i></p> <p><i>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate are sent to authorized recovery units/ Cement plants for co-incineration.</i></p> <p><i>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. . Hence impact on soil pollution is minimal</i></p>
11	Applicability of S.O.804(E), dt.14.03.2017 & S.O.1030(E) dt.08.03.2018 issued by the MoEF&CC, GoI.	Adhering to all the rules and regulations as per the procedure. The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.
12	Implementation of disaster management plan and safety measures in the exiting project and proposed expansion	The company has made alternate and stand by arrangements to meet the un foreseen disasters. Disaster management plan and safety measures submitted along with EMP report
13	Green belt development	M/s. Hetero Labs Limited Unit 1 sy.no. 10 and 10/1, Gaddapotharamida, Gaddapotharam village, Jinnarammandal, developed green belt inmore than stipulated one third of total area covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment

14	Compliance of Hon'ble NGT order dt 19.08.2019 (published on 23.08.2019) in QA No.1038/2018 as per OM dt 31.10.2019 of the MOEF&CC, GOI	A Self declaration need to be submitted by the proponent
----	--	--

Recommendations:

Impact of the expansion proposal of the project on the water body and surrounding environment is not affected. Environmental Clearance may be given to the project.

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

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee members to inspect the unit, verify records and submit a report on the following:

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

The Sub-Committee constituted by the SEAC inspected the site on 16.08.2020 submitted the report. The following observations were made by the sub-committee members:

Present Status of the Project:

M/S Discovery Laboratories Pvt. Ltd., with valid EC and CFE is manufacturing bulk drugs with a production capacity of 616.66 kg/day in an area of 13.00 acres

Observations and Recommendations:

M/S Discovery Laboratories Pvt. Ltd has acquired an additional 3.20 acres of land for expansion and is proposing to manufacture 111 MT / month. Total investment for the expansion is Rs 42.19 crores.

1. Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial area.

- *Project Site to Bollaram Industrial Area is 48 Km (NW)*
- *Project site to Patancheru Industrial Area is 70.9 Km (NW)*

Minutes of the SEAC Meeting held on 10.09.2020

2. Project Modification:

The company proposed to manufacture Bulk Drugs & Drug Intermediates with production capacity of 110 MT/Month.

Land Details:

The industry is established in an area of 16.2 Acres (65559.06 Sq. m)(Existing: 13.0 Acres & Proposed Expansion: 3.20 Acres).

Building & Civil Works:

Presently the unit is having a production blocks, Utility block and Solvent tank area. IT is proposed go for major civil works including ZLD system production blocks, and other necessary units.

3. Project Cost:

The unit is proposing to invest an amount of **Rs. 42.19 Crores** for expansion. Budget for Environmental protection towards capital cost is an amount of **Rs. 206 Lakhs** and Recurring cost is **Rs. 24 Lakh/Annum**.

4. ZLD System and its adequacy:

The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the **Annexure-I**.

5. ETP Modifications:

Earlier the unit is sending its HTDS& LTDS effluent and domestic effluent to ZLD System and now the unit is proposing to increase the capacity of ZLD system. Details are Enclosed as **Annexure-I**.

6. Products: Comparison of existing and proposed [which are going for expansion]:

Earlier the unit is manufacturing Bulk Drugs & Drug Intermediates with a capacity of **18.5 TPM(616.66 Kg/Day)**. Now proposes to manufacture Bulk Drugs & Drug Intermediates **110 TPM** and details are provided in **Annexure-II**.

7. Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST:

The unit is manufacturing the permitted Bulk Drugs & Drug Intermediates with the permitted quantities.

8. Raw material: Comparison of Existing and Proposed [which are going for expansion]:

Details of existing raw materials and proposed Raw Material are provided in **Annexure-III**.

9. Solid Waste: Comparison of Existing and Proposed [which are going for expansion]:

Details of existing and proposed Solid waste are provided in **Annexure-IV**.

10. Impact on surroundings:

The proponent has proposed for ZLD system to treat the generated effluents and recover water for reuse in the plant operations. The generated hazardous and solid wastes are being sent to TSDF and to the Cement industry. Flue gases from the boilers will be dispersed through a 30 mtr height of the chimneys separately and Cyclone separators followed by bag filters and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system. Hence, there may not be any significant impact on the surrounding.

11. Applicability of S.O. 804 (E), dt: 14.03.2017 & S.O. 1030 (E), dt: 08.03.2018 issued by the MoEF&CC, GoI.

The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.

12. Justification of project w.r.t. G.O.Ms. 95, dt: 21.09.2007; G.O.Ms. No. 64, dt: 25.07.2013; & G.O.Ms. No. 24, dt: 24.04.2019.

The project site doesn't cover under the above GO'S.

13. Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Disaster management plan and safety measures submitted along with EMP report.

14. Greenbelt Development

Discovery Laboratories Pvt. Ltd. is in an area of 16.2 Acres (65559.06 Sq. m) out of which 23892.9 Sqm (36.44 %) is allocated for Greenbelt development area. Total No. of Plants to be planted is about 3550 Nos. (Existing – 1900 Nos. & Proposed – 1650 Nos.). Budget for greenbelt development is Rs. 8.0 Lakhs & greenbelt maintenance is Rs. 2 Lakhs.

Recommendations:

Impact of the proposed activity of production enhancement on the surrounding environment may not be significant in view of the proposed EMP measures and ZLD system. Environmental Clearance may be given to M/s. Discovery Laboratories Pvt Ltd., for the proposed project with inclusion of the following in the environmental clearance:

- 1. No Change in the products other than the existing 38 products as listed in the proposal, and at any given point of time*
- 2. Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
- 3. Maintenance of the existing green belt and develop the additional green belt within the site.*

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. 34	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)

Earlier, the SEAC in its meeting held on 23.05.2020 constituted a sub-committee 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

The Sub-Committee constituted by the SEAC inspected the site on 24.05.2020 submitted the report. The following observations were made by the sub-committee members:

Present Status of the Project:

M/S Viwyn Pharma Pvt. Ltd. Is having valid CFE and CFO vide order no : NAL-223/PCB/ZO/RCP/CFE/2006-1269 dt 31.03.2006 and 1708227754-552 dt 9/5/2017 respectively to manufacture 314 TPA. The industry is in an area of 9.58 acres.

Minutes of the SEAC Meeting held on 10.09.2020

Observations and Recommendations:

M/S Viwyn Pharma Pvt. Ltd are proposing to expand the existing Drug Intermediates manufacturing unit into bulk drugs and intermediates manufacturing unit with a production capacity of 330MT/ month. Investment for proposed expansion is 8.80 crores.

2. Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial area.

- Project Site to Bollaram Industrial Area is 56 Km (NW)
- Project site to Patancheru Industrial Area is 81 Km (NW)

2. Project Modification:

The company proposing to manufacture Bulk Drugs & Drug Intermediates with production capacity of 330 MT/Month., which includes a total of 09 intermediates and 13 bulk drugs. However, it is observed that at any point of time only 03 intermediates and 05 bulk drugs will be manufactured.

Land Details:

The industry is established in an area of 26.97 Acres (109161.085 Sq. m).

Building & Civil Works:

The proponent is required to construct all the necessary production blocks, storage units and ZLD system.

3. Project Cost:

The unit is proposing to invest an amount of Rs. 8.8 Crores. Budget for Environmental protection towards capital cost is an amount of Rs. 272 Lakhs and Recurring cost is Rs. 30 Lakh/Annum.

4. ZLD System and its adequacy:

The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the Annexure-I.

5. ETP Modifications:

The unit is proposing for ZLD system to treat the HTDS and LTDS effluent. Details of the proposed ZLD system are as per the Annexure-I.

6. Products: Comparison of existing and proposed :

Earlier the unit is manufacturing Drug Intermediates with a capacity of 26.28 TPM (876 Kg/Day). Now the unit is proposed to manufacture Bulk Drugs & Drug Intermediates of 330 TPM and details are provided in Annexure-II.

7. Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST:

The unit is manufacturing the permitted Drug Intermediates with the permitted quantities.

8. Raw material: Comparison of Existing and Proposed :

Details of proposed Raw Materials are provided in Annexure-III.

9. Solid Waste: Comparison of Existing and Proposed :

Details of existing & proposed Solid & Hazardous waste are provided in Annexure-IV.

10. Impact on surroundings:

The unit is proposing to establish ZLD system to treat the generated effluent and recover water for reuse in the plant operations. The generated hazardous and solid wastes are being sent to TSDF and to the Cement industry. Flue gases from the boilers will be dispersed through a 30 mtr height of the chimneys separately and Cyclone separators followed by bag filters and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system. The proposed ETP, ZLD and EMP measures in place, it may be drawn that there may not be significant impact on the surroundings.

11. Applicability of S.O. 804 (E), dt: 14.03.2017 & S.O. 1030 (E), dt: 08.03.2018 issued by the MoEF&CC, GoI.

The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.

12. Justification of project w.r.t. G.O.Ms. 95, dt: 21.09.2007; G.O.Ms. No. 64, dt: 25.07.2013; & G.O.Ms. No. 24, dt: 24.04.2019.

The project site doesn't cover under the above GO'S.

13. Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Disaster management plan and safety measures submitted along with EMP report.

14. Greenbelt Development

M/S Viwyn Pharma Pvt. Ltd. is in an area of 26.97 Acres (1,09,161.085 Sq.m) out of which 38,053.33 Sqm (34.86%) is allocated for Greenbelt development area. Total No. of Plants to be planted is about 5710 Nos. Budget for greenbelt development is Rs. 6.0 Lakhs & greenbelt maintenance is Rs. 2.0 Lakhs.

Recommendations:

With the above EMP measures in implementation, impact of the proposed activity may not have significant adverse effects. Environmental Clearance may be given to M/S Viwyn Pharma Pvt Ltd., for the proposed project with inclusion of the following in EC.

- 1. No Change in the products other than the existing as listed in the proposal, at any given point of time*
- 2. ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
- 3. Maintenance of the exiting green belt and develop the additional green belt within the site.*

The proponent submitted copy of the CFE order dt.31.03.2006 of the APPCB (Combined State) for manufacture of Drug Intermediates (3 Nos.) & Fine Chemicals (1 No.). The proponent did not obtain EC for the existing unit earlier, as only Drug Intermediates & Fine Chemicals were proposed earlier which did not require EC then i.e., prior to EIA Notification, dt.14.09.2006.

The proponent also submitted a copy of CFO order dt.09.05.2017 valid upto 31.12.2021 for manufacture of Drug Intermediates (3 Nos.) & Fine Chemicals (1 No.).

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.35	M/s. VVR Organics Pvt. Ltd., Sy. Nos. 418, 418K, 419, 419G, 420 & 421, Aregudem Village, Choutuppall Mandal, Nalgonda District., Telangana – Environmental Clearance (Expansion) - Reg.
Proposal No.	SIA/TG/IND2/155977/2020 (EC)

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

- Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- Project modification
- Project cost
- ZLD System & its adequacy
- ETP modifications
- Products: Comparison of existing and proposed (which are going for expansion)
- Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- Raw material: Comparison of existing and proposed (which are going for expansion)
- Solid waste: Comparison of existing and proposed (which are going for expansion)
- Impact on surroundings
- Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- 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.

Minutes of the SEAC Meeting held on 10.09.2020

- xiii) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.
- xiv) Greenbelt development

The Sub-Committee constituted by the SEAC inspected the site on 06.08.2020 submitted the report. The following observations were made by the sub-committee members:

Present Status of the Project :

M/S VVR Organics Pvt Ltd., is having drug intermediates manufacturing unit at Sy.No's 418, 418K, 419, 419G, 420 & 421, Aregudem Village, Choutuppal Mandal, and valid CFO to manufacture 11.07 MT/Month. The plant is located in a total area of 8.31 acres.

Proposing to expand the existing drug intermediates manufacturing unit into bulk drugs and drug intermediates with a production capacity of 50 MT/month with an investment of Rs 6.00crores for expansion

Observations and Recommendations:

1. Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial area.

- Project Site to Bollaram Industrial Area is 57.9 Km (NW)
- Project site to Patancheru Industrial Area is 81.8 Km (NW)

2. Project Modification:

The company proposed to manufacture Bulk Drugs & Drug Intermediates with production capacity of 50 MT/Month.

Land Details:

The industry is established in an area of 8.31 Acres (7283.00 Sq. m).

Building & Civil Works:

Presently the unit is having a production blocks, Utility block and Solvent tank area. The existing civil buildings are sufficient to manufacture the proposed products.

3. Project Cost:

The unit is proposing to invest an amount of Rs. 6.0 Crores for expansion. Budget for Environmental protection towards capital cost is an amount of Rs. 124 Lakhs and Recurring cost is Rs. 20 Lakh/Annum.

4. ZLD System and its adequacy:

The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the Annexure-I.

5. ETP Modifications:

Earlier the unit is sending its HTDS & LTDS effluent and domestic effluent to ZLD System and now the unit will increase the capacity of ZLD system. Details are Enclosed as Annexure-I.

6. Products: Comparison of existing and proposed [which are going for expansion]:

Earlier the unit is manufacturing Drug Intermediates with a capacity of 11.07 TPM. Now proposes to manufacture Bulk Drugs & Drug Intermediates 50 TPM and details are provided in Annexure-II.

7. Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST:

The unit is manufacturing the permitted Drug Intermediates with the permitted quantities.

8. Raw material: Comparison of Existing and Proposed

Details of existing raw materials and proposed Raw Material are provided in Annexure-III.

9. Solid Waste: Comparison of Existing and Proposed

Details of existing and proposed Solid waste are provided in Annexure-IV.

10. Impact on surroundings: The unit is proposing for ZLD system to treat the generated effluent and water recovered will be reused in the plant operations. The generated hazardous and solid wastes are being sent to TSDF and to the Cement industry. Flue gases from the boiler will be dispersed through a 30 mtr height of the chimney and Cyclone separator followed by bag filters and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system. Hence, there will not be any impact on the surrounding.

11. Applicability of S.O. 804 (E), dt: 14.03.2017 & S.O. 1030 (E), dt: 08.03.2018 issued by the MoEF&CC, GoI.

The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.

12. Justification of project w.r.t. G.O.Ms. 95, dt: 21.09.2007; G.O.Ms. No. 64, dt: 25.07.2013; & G.O.Ms. No. 24, dt: 24.04.2019.

The project site doesn't cover under the above GO'S.

13. Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Disaster management plan and safety measures submitted along with EMP report.

14. Greenbelt Development

VVR Organics Pvt. Ltd. is in an area of 8.31 Acres (33638.00 Sq. m) out of which 13410.57 Sqm (39.86%) is allocated for Greenbelt development area. Total No. of Plants to be planted is about 2010 Nos. Budget for greenbelt development is Rs. 6.0 Lakhs & greenbelt maintenance is Rs. 2.0 Lakhs.

Recommendations:

Impact of the proposed activity of expansion and the proposed into bulk drugs and drug intermediates on the surrounding environment at the site with the above EMP measures may not have adverse effects. Environmental Clearance may be given to M/S VVR Organics, for the proposed project with inclusion of the following clauses in EC.

1. No Change in the product other than the proposed and manufacturing only Six products at any given point of time
2. Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the proposal.
3. Maintenance of the existing green belt and develop the additional green belt within the site.

Existing Products:

S.No.	Products / Line of Activity
1	Para Amino Phenol
2	CIS Bromobozoate
3	Benzhydrol
4	4-Chloro-2-3-Litidine- N-oxide

The SEAC noted from Ir.dt.21.08.2006 & 03.11.2006 of the APPCB (Combine State) that the industry applied for CFE for expansion for manufacture of Bulk Drugs on 20.06.2006 & the CFE application was returned with a request to approach MoE&F, GoI for obtaining prior EC as per procedure under EIA Notification, 2006 and then to obtain CFE for expansion for manufacture of Bulk Drugs. It is understood that the existing unit was established prior to EIA Notification, 2006. The proponent also submitted a copy of CFO order dt.01.04.2019 valid upto 30.04.2024. In the earlier CFO order dt.16.07.2011, the permitted products are:

S.No.	Products	Present Capacity
1	Para Amino Phenol	4.77 TPM
2	CIS Bromobozoate	3.00 TPM
3	Benzhydrol	1.7 TPM
4	4-Chloro-2-3-Lutidine- N-oxide	1.6 TPM

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

Minutes of the SEAC Meeting held on 10.09.2020

Agenda Item No.36	M/s. Spansules Formulations Pvt. Ltd., API Division Unit-II, Sy. Nos. 329 & 334, Veliminedu Village, Chityal Mandal, Nalgonda District., Telangana – Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/155900/2020 (EC)

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit and submit a report on impacts of the proposed project on nearest human habitation, water body, RF & surrounding environment, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 07.08.2020 submitted the report. The following observations were made by the sub-committee members:

Present Status of the Project:

M/S Spansules Formulations Pvt. Ltd. API Division Unit-II is a new project, proposing for bulk drug and drug intermediates manufacturing unit., in an area of 9.83 acres. No construction activity has been initiated. Total 29 products have been proposed.

Observations and Recommendations:

1. Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial area.

- Project Site to Bollaram Industrial Area is 64.9 Km (NW)
- Project site to Patancheru Industrial Area is 89.4 Km (NW)

2. Project Modification:

The company is proposing to manufacture Bulk Drugs & Drug Intermediates with production capacity of 110 MT/Month.

Land Details:

The industry is established in an area of 9.83 Acres (39780.60 Sq. m).

Building & Civil Works:

The unit will construct all necessary buildings to manufacture the proposed products.

3. Project Cost:

The unit is proposing to invest an amount of Rs. 25.0 Crores. Budget for Environmental protection towards capital cost is an amount of Rs. 204 Lakhs and Recurring cost is Rs. 22 Lakh/Annum.

4. ZLD System and its adequacy:

The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the Annexure-I.

5. ETP Modifications:

Not applicable. Hence the unit is a Greenfield project which is proposed to establish ZLD system. Details are Enclosed as Annexure-I.

6. Products: Comparison of existing and proposed :

The unit is proposed to manufacture Bulk Drugs & Drug Intermediates of 110 TPM and details are provided in Annexure-II.

7. Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST:

Not Applicable. Hence, the unit is a Greenfield Project.

8. Raw material: Comparison of Existing and Proposed:

Details of proposed Raw Material are provided in Annexure-III.

9. Solid Waste: Comparison of Existing and Proposed :

Details of proposed Solid & Hazardous waste are provided in Annexure- IV.

10. Impact on surroundings:

The proponent has proposed to establish ZLD system to treat the generated effluent and water reuse in the plant operations. The generated hazardous and solid wastes are being sent to TSDF and to the Cement industry. Flue gases from the boilers will be dispersed through a 30 mtr height of the chimneys separately and Cyclone separators followed by bag filters and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system. In view of the commitment, there may not be significant impact on the surrounding environment.

11. Applicability of S.O. 804 (E), dt: 14.03.2017 & S.O. 1030 (E), dt: 08.03.2018 issued by the MoEF&CC, GoI.

Not applicable. Hence, the project is a Greenfield Project.

12. Justification of project w.r.t. G.O.Ms. 95, dt: 21.09.2007; G.O.Ms. No. 64, dt: 25.07.2013; & G.O.Ms. No. 24, dt: 24.04.2019.

The project site doesn't cover under the above GO'S.

13. Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Disaster management plan and safety measures are included in the EMP report and risk assessment, consequence analysis has been submitted.

14. Greenbelt Development

Spansules Formulations Pvt. Ltd. API Division Unit-II is in an area of 9.83 Acres (39780.60 Sq. m) out of which 14769.00 Sqm (37.13%) is allocated for Greenbelt development area. Total No. of Plants to be planted is about 2215 Nos. Budget for greenbelt development is Rs. 8.0 Lakhs & greenbelt maintenance is Rs. 2.0 Lakhs.

Recommendations:

With the above EMP measures in implementation, impact of the proposed activity of bulk drugs and drug intermediates manufacturing on the surrounding environment may not be significant. Environmental Clearance may be given to M/S Spansules Formulations Pvt Ltd., API Division Unit II, for the proposed project with inclusion of the following clauses in EC.

1. No Change in the products other than the listed 29 products in the proposal, and ONLY Six products at any given point of time.
2. ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.
3. Maintenance of the existing green belt and develop the additional green belt within the site.
4. Submission of Land conversion details.

The SEAC noted that the distance of the proposed project from Gundrampally (V), Chityal (M), Nalgonda District is about 4.64 km.

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. 37	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)

Earlier, the SEAC in its meeting held on 23.05.2020 constituted a sub-committee 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

Minutes of the SEAC Meeting held on 10.09.2020

- 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

The Sub-Committee constituted by the SEAC submitted the report. The following observations were made by the sub-committee members:

Present Status of the Project: M/S Shree Jaya Laboratories Pvt. LTD is having drug intermediates manufacturing unit in an area of 8.87 acres. The Unit is in operation with a CFE vide order No NAL-217/PCB/ZO/RCP/CFE/2006-1189 dated 6/3/2006. The unit is also in possession of valid CFO vide order TSPCB/NLG/CFO&HWA/HO/2018-2042 dated 31/8/2018, with a manufacturing capacity of 431.33 kgs / day.

Observations and Recommendations:

M/S Shree Jaya Laboratories Pvt. Is proposing to manufacture bulk drugs and drug intermediates within the existing area, with an increased production capacity of 214.3 MT/annum. The total investment for the proposed activity is 30.0 crores and proposed for 30 products.

1. Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial area.

- Project Site to Bollaram Industrial Area is 41.7 Km (NW)
- Project site to Patancheru Industrial Area is 65.3 Km (NW)

2. Project Modification:

Shree Jaya Laboratories Pvt. Ltd. is proposed to expand Drug Intermediates to Bulk Drugs & Drug intermediates manufacturing unit located at Sy Nos: 299 & 299 / AA, Malkapur (V), Choutuppal (M), YadadriBhongir District, Telangana State.

The company proposed to manufacture Bulk Drugs & Drug Intermediates with production capacity of 214.3 MT/Month.

Land Details:

The industry is established in an area of 8.87 Acres (35902.47 Sq. m).

Building & Civil Works:

Major civil works need to be initiated.

3. Project Cost:

The unit is proposing to invest an amount of **Rs. 30 Crores**. Budget for Environmental protection towards capital cost is an amount of **Rs. 214 Lakhs** and Recurring cost is **Rs. 24 Lakh/Annum**.

4. ZLD System and its adequacy:

The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the **Annexure-I**.

5. ETP Modifications:

Earlier the unit is sending the generated effluent to ZLD system. Now, the unit is proposing to increase the ZLD system capacity to treat the HTDS and LTDS effluent. Details of the proposed ZLD system are as per the **Annexure-I**.

6. Products: Comparison of existing and proposed :

Earlier the unit is manufacturing Drug Intermediates with a capacity of 12.94 TPM (431.33 Kg/Day). Now the unit is proposed to manufacture Bulk Drugs & Drug Intermediates of 214.3 TPM and details are provided in Annexure-II.

7. Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST:

The unit is manufacturing the permitted Drug Intermediates with the permitted quantities.

8. Raw material: Comparison of Existing and Proposed:

Details of existing & proposed Raw Materials are provided in Annexure-III.

9. Solid Waste: Comparison of Existing and Proposed:

Details of existing & proposed Solid & Hazardous waste are provided in Annexure-IV.

10. Impact on surroundings:

The proponent has proposed for ZLD system to treat the generated effluents and recover water for reuse in the plant operations. The generated hazardous and solid wastes are being sent to TSDF and to the Cement industry. Flue gases from the boilers will be dispersed through a 30 mtr height of the chimneys separately and Cyclone separators followed by bag filters and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system. Hence, there may not be any significant impact on the surrounding.

11. Applicability of S.O. 804 (E), dt: 14.03.2017 & S.O. 1030 (E), dt: 08.03.2018 issued by the MoEF&CC, GoI.

The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.

12. Justification of project w.r.t. G.O.Ms. 95, dt: 21.09.2007; G.O.Ms. No. 64, dt: 25.07.2013; & G.O.Ms. No. 24, dt: 24.04.2019.

The project site doesn't cover under the above GO'S.

13. Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Disaster management plan and safety measures submitted along with EMP report.

14. Greenbelt Development

Shree Jaya Laboratories Pvt. Ltd. is in an area of 8.87 Acres (35902.47 Sqm) out of which 12161.74 Sqm (33.87%) is allocated for Greenbelt development area. Total No. of Plants to be planted is about 1825 Nos. Budget for greenbelt development is Rs. 8.0 Lakhs & greenbelt maintenance is Rs. 2.0 Lakhs.

Recommendations:

Impact of the proposed activity of production enhancement on the surrounding environment may not be significant in view of the proposed EMP measures. Environmental Clearance may be given to M/S Shree Jaya Laboratories Pvt Ltd. , for the proposed project with inclusion of the following in the environmental clearance:

1. No Change in the products other than the existing 30 products as listed in the proposal, and at any given point of time
2. Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.
3. Maintenance of the existing green belt and develop the additional green belt within the site.

The proponent submitted copy of the CFE order dt.06.03.2006 of the APPCB (Combined State) for manufacture of Drug Intermediates. The proponent did not obtain EC for the existing unit earlier, as only Drug Intermediates were proposed earlier which did not require EC then i.e., prior to EIA Notification, dt.14.09.2006.

The proponent also submitted a copy of CFO order dt.31.08.2018 of TSPCB valid upto 31.01.2021 for manufacture of Drug Intermediates.

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

Minutes of the SEAC Meeting held on 10.09.2020

Agenda Item No. 38	M/s. Rishon Laboratories Pvt. Ltd., Sy. No. 464 & 465(A), Yellambavi Village, Choutuppal Mandal, yadadri Bhongir District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/154958/2020 (EC)

Earlier, the SEAC in its meeting held on 17.06.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

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

The Sub-Committee constituted by the SEAC inspected the site on 20.06.2020 and submitted the report. The following observations were made by the sub-committee members:

Present Status of the Project: *M/s. Rishon Laboratories Pvt. Ltd., (formerly known as M/S Guna Sai Life Sciences (P) Ltd , M/S Anica Labs P Ltd.,) is having drug intermediates manufacturing unit with a CFO via consent order No: TSPCB/RCP/NLG/HO/CFO/2018-2019, dt 15/06/2018.*

Now, M/S Rishon Laboratories Pvt. Ltd are proposing to expand the existing unit to manufacture bulk drugs and drug intermediates with a production capacity of 118.5 MT/month from the existing capacity of 9.0MT/Month. The total land in occupation is 8.85 acres.

Observations and Recommendations:

1. Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial area.

- *Project Site to Bollaram Industrial Area is 45.6 Km (NW)*
- *Project site to Patancheru Industrial Area is 69.3 Km (NW)*

2. Project Modification:

The company is proposing to manufacture Bulk Drugs & Drug Intermediates with production capacity of 118.50 MT/Month.

Land Details:

The industry is established in an area of 8.85 Acres (35840.80 Sq. m).

Building & Civil Works:

Presently the unit is having a production blocks, Utility block and Solvent tank area. The existing civil buildings are sufficient to manufacture the proposed products. ZLD facility need to be established.

3. Project Cost:

The unit is proposing to invest an amount of Rs. 4.0 Crores for expansion. Budget for Environmental protection towards capital cost is an amount of Rs. 213 Lakhs and Recurring cost is Rs. 25 Lakh/Annum.

4. ZLD System and its adequacy:

The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the **Annexure-I**.

5. ETP Modifications:

Earlier the unit is sending its HTDS& LTDS effluent and domestic effluent to ZLD System and now the unit will increase the capacity of ZLD system. Details are Enclosed as **Annexure-I**.

6. Products: Comparison of existing and proposed [which are going for expansion]:

Earlier the unit is manufacturing Bulk Drugs & Drug Intermediates with a capacity of **9.0 TPM**. Now proposes to manufacture Bulk Drugs & Drug Intermediates **118.50 TPM** and details are provided in **Annexure-II**.

7. Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST:

The unit is manufacturing the permitted Bulk Drugs & Drug Intermediates with the permitted quantities.

8. Raw material: Comparison of Existing and Proposed:

Details of proposed Raw Material are provided in **Annexure-III**.

9. Solid Waste: Comparison of Existing and Proposed:

Details of existing and proposed Solid waste are provided in **Annexure-IV**.

10. Impact on surroundings:

As the unit is proposed ZLD system to treat the generated effluent and recovered water will be reused in the plant operations. The generated hazardous and solid wastes are being sent to TSD and to the Cement industry. Flue gases from the boiler will be dispersed through a 30 mtr height of the chimney and Cyclone separator followed by bag filters and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system. In view of the proposed ZLD and EMP measures, there may not be any significant impacts on the surrounding.

11. Applicability of S.O. 804 (E), dt: 14.03.2017 & S.O. 1030 (E), dt: 08.03.2018 issued by the MoEF&CC, GoI.

The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.

12. Justification of project w.r.t. G.O.Ms. 95, dt: 21.09.2007; G.O.Ms. No. 64, dt: 25.07.2013; & G.O.Ms. No. 24, dt: 24.04.2019.

The project site doesn't cover under the above GO'S.

13. Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Disaster management plan, safety measures risk analysis and consequence analysis in view of the expansion are estimated and are incorporated in the EMP report.

14. Greenbelt Development

Rishon Laboratories Pvt. Ltd. is in an area of **8.85 Acres (35840.80 Sq. m)** out of which **17016.32 Sqm (46.82%)** is allocated for Greenbelt development area. Total No. of Plants to be planted is about 2550 Nos. Budget for greenbelt development is **Rs. 6.0 Lakhs** & greenbelt maintenance is **Rs. 2.0 Lakhs**.

Recommendations:

With the above EMP measures in implementation, impact of the proposed production enhancement may not have significant adverse impacts. Environmental Clearance may be given to M/s. Rishon Laboratories Pvt Ltd., for the proposed project with inclusion of the following clauses in EC.

1. No Change in the products other than the existing 27 products as listed in the proposal.

Minutes of the SEAC Meeting held on 10.09.2020

2. *Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
3. *Maintenance of the exiting green belt and develop the additional green belt within the site.*

The proponent submitted copy of the CFE order dt.22.06.2005 of the APPCB (Combined State) for manufacture of Drug Intermediates. The proponent did not obtain EC for the existing unit earlier, as only Drug Intermediates were proposed earlier which did not require EC then i.e., prior to EIA Notification, dt.14.09.2006.

The proponent also submitted a copy of CFO order dt.15.06.2018 of TSPCB for manufacture of Drug Intermediates.

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. 39	M/s. Mahalakshmi Laboratories Pvt. Ltd., Sy. No. 406, Veliminedu Village, Chityal Mandal, Nalgonda District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/153666/2020 (EC)

Earlier, the SEAC in its meeting held on 17.06.2020 constituted a sub-committee 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

The Sub-Committee constituted by the SEAC inspected the site on 20.06.2020 submitted the report. The following observations were made by the sub-committee members:

Present Status of the Project: *M/S Mahalakshmi Laboratories Pvt. Ltd is having bulk drugs and intermediates manufacturing unit. The Unit has obtained EC in the name of M/S VSK Laboratories Pvt Ltd. With the CFE , the unit is permitted to manufacture 500 kgs / day. The available land in possession is 6.92 acres.*

Observations and Recommendations:

M/S Mahalakshmi Laboratories Pvt. Ltd is proposing for expansion of production to 150MT / month with an investment of Rs 15.0 crores.

1. Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial area.

- *Project Site to Bollaram Industrial Area is 65.7 Km (NW)*
- *Project site to Patancheru Industrial Area is 90 Km (NW)*

2. Project Modification:

M/S Mahalakshmi Laboratories Pvt. Ltd., is proposed to expand Bulk Drugs & Drug intermediates manufacturing unit located at Sy. No.: 406, Veliminedu Village, Chityal Mandal, Nalgonda District, Telangana State.

The company proposed to manufacture Bulk Drugs & Drug Intermediates with production capacity of 150 MT/Month.

Land Details:

The industry is established in an area of 6.925 Acres (27968.50 Sq. m).

Building & Civil Works:

Presently the unit is having a production blocks, Utility block and Solvent tank area. The existing civil buildings are not sufficient to manufacture the proposed products. IT is proposed to go for major civil works in terms of addition of Production Blocks and & Utility Block.

3. Project Cost:

The unit is proposing to invest an amount of **Rs. 15 Crores** for expansion. Budget for Environmental protection towards capital cost is an amount of **Rs. 122 Lakhs** and Recurring cost is **Rs. 20 Lakh/Annum**.

4. ZLD System and its adequacy:

The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the **Annexure-I**.

5. ETP Modifications:

Earlier the unit is sending its HTDS & LTDS effluent and domestic effluent to ZLD System and now the unit is proposing to increase the capacity of ZLD system. Details are Enclosed as **Annexure-I**.

6. Products: Comparison of existing and proposed :

Earlier the unit is manufacturing Bulk Drugs & Drug Intermediates with a capacity of **18.5 TPM (616.66 Kg/Day)**. Now proposes to manufacture Bulk Drugs & Drug Intermediates **150 TPM** and details are provided in **Annexure-II**.

7. Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST:

The unit is manufacturing the permitted Bulk Drugs & Drug Intermediates with the permitted quantities.

8. Raw material: Comparison of Existing and Proposed :

Details of existing raw materials and proposed Raw Material are provided in **Annexure-III**.

9. Solid Waste: Comparison of Existing and Proposed :

Details of existing and proposed Solid waste are provided in **Annexure-IV**.

10. Impact on surroundings:

The existing ZLD system is functional. The generated hazardous and solid wastes will be sent to TSDF and to the Cement industry. Flue gases from the boilers will be dispersed through a 30 mtr height of the chimney and multi-cyclone separators followed by bag filters and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system. In view of the EMP measures there may not be significant impacts on the surroundings.

11. Applicability of S.O. 804 (E), dt: 14.03.2017 & S.O. 1030 (E), dt: 08.03.2018 issued by the MoEF&CC, GoI.

The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.

12. Justification of project w.r.t. G.O.Ms. 95, dt: 21.09.2007; G.O.Ms. No. 64, dt: 25.07.2013; & G.O.Ms. No. 24, dt: 24.04.2019.

The project site doesn't cover under the above GO'S.

13. Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Disaster management plan and safety measures submitted along with EMP report.

Minutes of the SEAC Meeting held on 10.09.2020

14. Greenbelt Development

Mahalakshmi Laboratories Pvt. Ltd. is in an area of 6.925 Acres (27968.50 Sq. m) out of which 10298.00 Sqm (36.82%) is allocated for Greenbelt development area. Total No. of Plants to be planted is about 1545 Nos. Budget for greenbelt development is Rs. 6.0 Lakhs & greenbelt maintenance is Rs. 2.0 Lakhs.

Recommendations:

With the above EMP measures in implementation, impact of the proposed activity of production enhancement of bulk drugs and drug intermediates on the surrounding environment may not have significant adverse effects. Environmental Clearance may be given to M/s. Mahalakshmi Laboratories for the proposed project with inclusion of the following clauses in EC.

1. *No Change in the products other than the existing 38 products as listed in the proposal, at any given point of time*
2. *Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
3. *Maintenance of the existing green belt and develop the additional green belt within the site.*

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

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

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

The Sub-Committee constituted by the SEAC inspected the site on 19.08.2020 submitted the report. The following observations were made by the sub-committee members:

Present Status of the Project :

M/S Symed Labs Ltd., is having one of the Bulk drugs and & Drug Intermediates unit as Symed Unit IV, with a valid CFO Order No : TSPCB/RCP/NLG/CFO/HO/2017-1008 dated 17/05/2018 and EC vide No J-11011/87/2014-IA II(I) dated 29/8/2016 with a permitted production capacity of 1136.1 kgs /day. Proposing to expand the existing production capacity of Bulk drugs and & Drug Intermediates to 250 MT/ month with an investment of Rs 51.6.00 crores for expansion.

Observations and Recommendations:

1. Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial area.

- Project Site to Bollaram Industrial Area is 64 Km (NW)
- Project site to Patancheru Industrial Area is 88 Km (NW)

2. Project Modification:

The company proposed to manufacture Bulk Drugs & Drug Intermediates with production capacity of 250 MT/Month.

Land Details:

The industry is established in an area of 13.34 Acres and has acquired an additional land of 8.96 acres for expansion. The total land in possession is 22.30 acres.

Building & Civil Works:

Presently the unit is having a production blocks, Utility block and Solvent tank area. Proponent has proposed for major civil works like RO plant & MEE Plant.

3. Project Cost:

The unit is proposing to invest an amount of **Rs. 51.6 Crores** for expansion. Budget for Environmental protection towards capital cost is an amount of **Rs. 1147 Lakhs** and Recurring cost is **Rs. 80 Lakh/Annum**.

4. ZLD System and its adequacy:

The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the **Annexure-I**.

5. ETP Modifications:

Earlier the unit is sending its HTDS & LTDS effluent and domestic effluent to ZLD System and now the unit will increase the capacity of ZLD system. Details are Enclosed as **Annexure-I**.

6. Products: Comparison of existing and proposed [which are going for expansion]:

Earlier the unit is manufacturing Bulk Drugs & Drug Intermediates with a capacity of **34.08 TPM (1136.10 Kg/Day)**. Now proposes to manufacture Bulk Drugs & Drug Intermediates **250 TPM** and details are provided in **Annexure-II**.

7. Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST:

The unit is manufacturing the permitted Bulk Drugs & Drug Intermediates with the permitted quantities.

8. Raw material: Comparison of Existing and Proposed:

Details of existing raw materials and proposed Raw Material are provided in **Annexure-III**.

9. Solid Waste: Comparison of Existing and Proposed:

Details of existing and proposed Solid waste are provided in **Annexure-IV**.

10. Impact on surroundings:

As the unit is proposed ZLD system to treat the generated effluent and recovered water will be reused in the plant operations. The generated hazardous and solid wastes are being sent to TSDF and to the Cement industry. Flue gases from the boilers will be dispersed through a 30 mtr height of the chimneys separately and Cyclone separators followed by bag filters and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system. Hence, there may not be any significant impact on the surrounding. Risk analysis in view of the expansion has been submitted for the proposed expansion.

11. Applicability of S.O. 804 (E), dt: 14.03.2017 & S.O. 1030 (E), dt: 08.03.2018 issued by the MoEF&CC, GoI.

The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.

Minutes of the SEAC Meeting held on 10.09.2020

12. Justification of project w.r.t. G.O.Ms. 95, dt: 21.09.2007; G.O.Ms. No. 64, dt: 25.07.2013; & G.O.Ms. No. 24, dt: 24.04.2019.

The project site doesn't cover under the above GO'S.

13. Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Disaster management plan and safety measures submitted along with EMP report.

14. Greenbelt Development

Symed Labs Limited, Unit- IV is in an area of 22.3 Acres (90244.89 Sq. m) out of which 40150.05 Sqm (44.49%) is allocated for Greenbelt development area. Total No. of Plants are planted is about 6025 Nos. Budget for greenbelt maintenance is Rs. 2.0 Lakhs.

Recommendations:

With the above EMP measures in implementation, impact of the proposed activity of production enhancement of bulk drugs and drug intermediates on the surrounding environment may not lead for significant adverse effects on the surrounding environment. Environmental Clearance may be given to M/S Symed Labs Limited Unit IV, for the proposed expansion project with inclusion of the following clauses in EC.

1. *No Change in the products other than the existing products as listed in the proposal, at any given point of time*
2. *Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
3. *Maintenance of the exiting green belt and develop the additional green belt within the site.*

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.41	M/s. Symed Labs Limited, Unit-VI, Sy. Nos. 744, 745,750, 751, 752 & 753, Mandollagudem Village, Choutuppall Mandal, Yadadri Bhuvanagiri District., Telangana – Environmental Clearance (Expansion) - Reg.
Proposal No.	SIA/TG/IND2/156094/2020 (EC)

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to to inspect the unit, verify records and submit a report on the following:

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

The Sub-Committee constituted by the SEAC inspected the site on 18.08.2020 submitted the report. The following observations were made by the sub-committee members:

Present Status of the Project :

M/S SymbioLabs Ltd., is having one of the Bulk drugs and & Drug Intermediates unit as Symbio Unit VI, with a valid CFO Order No : TSPCB/RCP/NLG/CFO/HO/2017-1008 dated 01/07/2017.

The permitted production capacity is 83 MT /Month.

Proposing to expand the existing production capacity of Bulk drugs and & Drug Intermediates from 83 MT /month to 250 MT/ month with an investment of Rs 25.00 crores for expansion.

Observations and Recommendations :

1. Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial area.

- Project Site to Bollaram Industrial Area is 50.5 Km (NW)*
- Project site to Patancheru Industrial Area is 74.9 Km (NW)*

2. Project Modification:

The company proposed to expand the manufacture Bulk Drugs & Drug Intermediates with production capacity of 250 MT/Month from 83 MT/Month .

Land Details:

The industry is established in an area of 40.17 Acres (162588.19 Sq. m).

Building & Civil Works:

Presently the unit is having a production blocks, Utility block and Solvent tank area. The existing civil buildings are not sufficient to manufacture the proposed products so additional Production Block, Pharma Block, Dryer Room & MEE Plant will construct after get the statutory permissions from the respective authorities.No major Civil works are proposed

3. Project Cost:

The unit is proposing to invest an amount of Rs. 25.0 Crores for expansion. Budget for Environmental protection towards capital cost is an amount of Rs. 423 Lakhs and Recurring cost is Rs. 60 Lakh/Annum.

4. ZLD System and its adequacy:

The unit is proposing a ZLD system which consists of HTDS and LTDS effluent processing systems. Details of the proposed ZLD system are as per the Annexure-I.

5. ETP Modifications:

Earlier the unit is sending its HTDS& LTDS effluent and domestic effluent to ZLD System and now the unit will increase the capacity of ZLD system. Details are Enclosed as Annexure-I.

6. Products: Comparison of existing and proposed [which are going for expansion]:

Earlier the unit is manufacturing Bulk Drugs & Drug Intermediates with a capacity of 82.10 TPM(2736.64 Kg/Day). Now proposes to manufacture Bulk Drugs & Drug Intermediates 250 TPM and details are provided in Annexure-II.

7. Verify Production details w.r.t. permitted for the past one year, as per ER-I/GST:

The unit is manufacturing the permitted Drug Intermediates with the permitted quantities.

8. Raw material: Comparison of Existing and Proposed:

Details of existing raw materials and proposed Raw Material are provided in Annexure-III.

9. Solid Waste: Comparison of Existing and Proposed:

Details of existing and proposed Solid waste are provided in Annexure- IV.

Minutes of the SEAC Meeting held on 10.09.2020

10. Impact on surroundings:

As the unit is proposed ZLD system to treat the generated effluent and recovered water will be reused in the plant operations. The generated hazardous and solid wastes are being sent to TSDF and to the Cement industry. Flue gases from the boilers will be dispersed through a 30 mtr height of the chimneys separately and Cyclone separators followed by bag filters and all the gaseous emissions from the process are scrubbed by using suitable media in the scrubbing system. Hence, there will not be any significant adverse impact on the surroundings. Risk analysis in view of the expansion has been submitted for the proposed expansion.

11. Applicability of S.O. 804 (E), dt: 14.03.2017 & S.O. 1030 (E), dt: 08.03.2018 issued by the MoEF&CC, GoI.

The project does not come under Violation as there was no increase in production quantity or pollution loads for the existing consented product.

12. Justification of project w.r.t. G.O.Ms. 95, dt: 21.09.2007; G.O.Ms. No. 64, dt: 25.07.2013; & G.O.Ms. No. 24, dt: 24.04.2019.

The project site doesn't cover under the above GO'S.

13. Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Disaster management plan and safety measures submitted along with EMP report.

14. Greenbelt Development

Symed Labs Limited, Unit-VI is in an area of 40.17 Acres (162588.19 Sqm) out of which 59144.17 Sqm (39.26%) is allocated for Greenbelt development area. Total No. of Plants to be planted is about 8870 Nos. Budget for greenbelt development is Rs. 10.0 Lakhs & greenbelt maintenance is Rs. 2.0 Lakhs.

Recommendations:

With the above EMP measures in implementation, impact of the proposed activity of production enhancement of bulk drugs and drug intermediates on the surrounding environment may not have significant adverse effects. Environmental Clearance may be given to M/S Symed Labs Limited Unit VI, for the proposed project with inclusion of the following clauses in EC.

1. No Change in the products other than the existing 81 products as listed in the proposal, at any given point of time
2. Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.
3. Maintenance of the existing green belt and develop the additional green belt within the site.

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

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on present status of the project, impacts of the proposed project on nearest human habitation, water body, RF and Surrounding environment, adequacy of EMP measures proposed, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 13.08.2020 and submitted the report. The following observations were made by the sub-committee members:

Products;

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

List of By-Products:

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

(i) Project Cost

The proposed expansion entails a capital cost of Rs. 35 crores.

		Rs. In Crores
Plant & machinery		17
Civil buildings		4
Structures		2.5
Total		23.5
Pipe lines & insulation	20% on plant & machinery	5
Electricals & instrumentation	10% on plant & machinery	2.5
Erection & commissioning & painting	8% on plant & machinery	1.8
Land & development		0.3
Material handling equipment charges		0.2
Laboratory equipment		0.7
Safety equipment		0.3
Administration		0.7
Total		11.5
Project Cost		35

Minutes of the SEAC Meeting held on 10.09.2020

(ii) ETP Modifications

Not Applicable: The proposed unit is a greenfield project.

(iii) Products: Comparison of existing and proposed (which is going for expansion)

Not Applicable: The proposed unit is a new greenfield project.

(iv) Verify production details w.r.t permitted for the past one year, as per ER-I

Not Applicable:

(v) Solid Waste: Comparison of existing and proposed (which are going for expansion)

S.No	Description	Quantity	Mode of Disposal
1	Ash from Boiler	11 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	27.2 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent Residue	10.6 TPD	Sent to TDSF/Cement Industries
4	Spent Solvent	280 KLD	Recovered within plant premises and reused
5	Mixed Solvent	31 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Stripper Distillate	4.5 KLD	Sent to Cement Industries for Co-incineration.
7	Spent Carbon	1.2 TPD	
8	Inorganic Residue	2.4 TPD	Sent to TSDF
9	Evaporation salts	9.1 TPD	Sent to TSDF
10	ETP Sludge	3.5 TPD	Sent to TSDF
11	Detoxified containers	5000 No.s/Yr	Sold to authorized vendors
12	Waste oil	5 KLPA	Sent to Authorized Recyclers
13	Used batteries	18 No.s/Yr	Sent to Authorized Recyclers

(vi) Impact on Surroundings

S.No	Description	Remarks
1	Water Pollution	Total effluent generated increased from proposed unit will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers and boiler make-up in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible
2	Air Pollution	The sources of air pollution are proposed 2 x 20 TPH, 1 x 6 TPH Coal fired boiler, 1 x 2 lakh K.cal/hr Thermic Fluid Heater and proposed DG sets of 2 x 1500 kVA. The proposed air pollution control equipment for 2 x 20 TPH and 1 x 6 TPH coal fired boilers is bag filter. DG sets shall be provided with effective stack height based on the CPCB formula. Ammonia, Hydrogen, Hydrogen chloride, and Sulfur dioxide. Ammonia, Hydrogen chloride and Sulphur dioxide are sent to scrubber in series. Sodium chloride from Hydrogen chloride, ammonium chloride from ammonia, sodium bisulfate from sulfur dioxide scrubbing sent to ETP. Hydrogen gas is let out into atmosphere through a water column. Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.
3	Solid Waste	All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility. Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate is sent to authorized recovery units/ Cement plants for co-incineration. Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. Hence impact on soil pollution is minimal

(vii) *Applicability of S.O. 804 (E), dt. 14.03.2017 & S.O. 1030 (E) dt. 08.03.2018 issued by MoEF&CC, GoI.*

Not Applicable: The proposed unit is a greenfield project.

(viii) *Implementation of disaster management plan and safety measures in the existing project and proposed expansion.*

The proposed unit will adopt the following safety procedure and measures for implementation of disaster management plan.

Emergency Procedure

- *Whoever notices an emergency identified above or a grave situation or a situation which has a potential to develop into an emergency should forthwith raise the alarm by suitable means the person will also inform the shift In-charge of the area affected.*
- *Essential Employees, if they are on plant rounds are to move to their place of work and await instructions or carry out predetermined responsibilities such as taking safe shutdown of equipment or entire plant during emergency as per the instructions of incident controller procedure.*
- *If they are aware of nature of emergency, they take necessary steps to control situation-causing emergency, by taking precautions to protect themselves and to protect property, prevent spreading of emergency. If necessary or instructed by Incident controller they take emergency shutdown of that plant.*
- *In the event of fire accident, electrical operator would switch off power supply the concerned block enabling firefighting operations as and when instructed by Incident controller.*

(ix) Greenbelt development

The management developed green belt in a total area of 3.75 acres covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment.

Recommendations:

With the above EMP measures in implementation, the proposed activity of establishment of API manufacturing unit, may not have significant adverse impacts on the surrounding environment. Environmental Clearance may be given to M/S Actero Pharma Pvt Ltd for the proposed project with inclusion of the following clauses in EC.

1. *No Change in the products other than the proposed 27 products and worst scenario 22 products on campaign basis. Co generation power plant : 2X2 MW*
2. *Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
3. *Development and Maintenance of the proposed area under green belt.*

The SEAC noted that the distance of the proposed project from Gundrampally (V), Chityal (M), Nalgonda District is about 6.0 km.

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

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit and submit a report on impacts of the proposed project on nearest human habitation, water body, RF & surrounding environment, etc.,

Minutes of the SEAC Meeting held on 10.09.2020

The Sub-Committee constituted by the SEAC inspected the site on 10.08.2020 and submitted the report. The following observations were made by the sub-committee members:

Products:

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

List of By-Products:

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

(x) Project Cost

The proposed expansion entails a capital cost of Rs. 45 crores.

Project Cost		
		Rs. In Crores
Plant & machinery		27
Civil buildings		4.6
Structures		4
	Total	35
Pipe lines & insulation	20% on plant & machinery	2.7
Electricals & instrumentation	10% on plant & machinery	2.7
Erection & commissioning & painting	8% on plant & machinery	2.2
Land & development		0.5
Material handling equipment charges		0.2
Laboratory equipment		0.6
Safety equipment		0.5
Administration		0.1
	Total	9.5
Project Cost		45

(xi) ETP Modifications

Not Applicable: The proposed unit is a greenfield project.

(xii) Products: Comparison of existing and proposed (which is going for expansion)

Not Applicable: The proposed unit is a new project.

(xiii) Verify production details w.r.t permitted for the past one year, as per ER-I

Not Applicable.

(xiv) Solid Waste: Comparison of existing and proposed

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

(xv) Impact on Surroundings

S.No	Description	Remarks
1	Water Pollution	Total effluent generated increased from proposed unit will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers and boiler make-up in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible
2	Air Pollution	The sources of air pollution are from proposed 1 x 20 TPH and 1 x 12 TPH coal fired boilers, 1 x 2 Lac k.cal thermic fluid heater. Backup DG sets of 2 x 1500 kVA are proposed to cater energy requirement during load shut downs

Minutes of the SEAC Meeting held on 10.09.2020

		<p><i>. Bag filter will be provided as air pollution control equipment for proposed 1 x 20 TPH and 1 x 12 TPH coal fired boilers. DG sets shall be provided with effective stack height based on the CPCB formula. Process emissions contain Ammonia, Carbon dioxide, Hydrogen, Hydrogen Bromide, Hydrogen Chloride and Sulfur dioxide. Ammonia, Hydrogen chloride, Hydrogen Bromide and Sulphur dioxide are sent to scrubber in series. Ammonium Chloride from ammonia scrubbing, Sodium chloride from HCl scrubbing, Sodium bromide from HBr Scrubbing and Sodium Bisulfite from Sulphur dioxide Scrubbing are sent to ETP. The other gases carbon dioxide is let out into atmosphere following a standard operating procedure, while Hydrogen gas is let out into atmosphere through a water column.</i></p> <p><i>Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</i></p>
3	Solid Waste	<p><i>All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</i></p> <p><i>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate is sent to authorized recovery units/ Cement plants for co-incineration.</i></p> <p><i>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. Hence impact on soil pollution is minimal</i></p>

(xvi) *Applicability of S.O. 804 (E), dt. 14.03.2017 & S.O. 1030 (E) dt. 08.03.2018 issued by MoEF&CC, GoI.*

Not Applicable.

(xvii) *Implementation of disaster management plan and safety measures in the existing project and proposed expansion.*

The proposed unit will adopt the following safety procedure and measures for implementation of disaster management plan.

(xviii) *Greenbelt development*

The management will develop green belt in a total area of 7.2 acres covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment.

Recommendations:

With the above EMP measures in implementation, the proposed activity of establishment of API manufacturing unit, may not have significant adverse impacts on the surrounding environment. Environmental Clearance may be given to M/S Anasia Labs Pvt Ltd for the proposed project with inclusion of the following clauses in EC.

No Change in the products other than the proposed 35 products and worst scenario 20 products on campaign basis. Co generation power plant : 1X2 MW

- 1. Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
- 2. Development and Maintenance of the proposed area under green belt.*

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

Minutes of the SEAC Meeting held on 10.09.2020

Agenda Item No.44	M/s. Arene Life Sciences Ltd., Unit II, Sy.No. 412/A, Veliminedu Village, Chityal Mandal, Nalgonda District., Telangana – Environmental Clearance (Expansion) - Reg.
Proposal No.	SIA/TG/IND2/158619/2020 (EC)

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

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

The Sub-Committee constituted by the SEAC inspected the site on 20.08.2020 submitted the report. The following observations were made by the sub-committee members:

Manufacturing Capacity –Permitted Products:

S.No	Name of Product	Capacity	
		TPM	Kg/day
1	Amlodipine besylate	3.6	120
2	Clopidogrel bisulphate	3	100
3	Efavirenz	3.75	125
4	Emtricitabine	3	100
5	Lamivudine	6	200
6	Lopinavir	3	100
7	Abacavir Sulphate	3	100
8	Atazanavir Sulphate	3	100
9	Capecitabine	3	100
10	Dolutegravir	5.55	185
11	Erlotinib HCl	3	100
12	Fosampanavir	3	100
13	Gefitinib HCl	3	100
14	Imatinib mesylate	3	100
15	Irbesartan	3	100
16	Losartan Potassium	3	100
17	Nevirapine	3	100
18	Pregabalin	5.1	170
19	Raltegravir Potassium	3	100
20	Tenofovir	4.05	135
21	Ritonavir	3	100
22	Mebeverine	3	100
23	Triethyl orthoformate	4.65	155
	Total-Worst Case (Any 5 Products)		845
	Validation products		5
	Grand Total		850

Minutes of the SEAC Meeting held on 10.09.2020

Products after Expansion:

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Amlodipine besylate	120	3.6
2	Clopidogrel bisulphate	100	3
3	Efaverinz	125	3.8
4	Emiracitabine	100	3
5	Lamivudine	200	6
6	Lopinavir	100	3
7	Abacavir Sulphate	100	3
8	Atazanavir Sulphate	100	3
9	Capecitabine	100	3
10	Doletagravir	185	5.5
11	Erlotinib HCl	100	3
12	Fosampanavir	100	3
13	Gefitinib HCl	100	3
14	Imatinib mesylate	100	3
15	Irbesatran	100	3
16	Losartan Pottasium	100	3
17	Nevirapine	100	3
18	Pregablin	170	5.1
19	Raltagrevir Pottasium	100	3
20	Tenofavir	135	4.1
21	Ritonavir	100	3
22	Mebeverine	100	3
23	Triethyl orthoformate	155	4.7
24	Diacetyl Acyclovir	2000	60
25	Acyclovir	2000	60
26	Valacyclovir HCl Monohydrate	1000	30
27	Phthaloyl Amlodipine	1000	30
28	Loratadine	400	12
29	Tapentadol	100	3
30	Ticagrelor	100	3
31	Dabigatran Etxilate Mesylate	100	3
32	Vildagliptin	100	3
33	Sodium Monochloroacetate	5000	150
	Total-Worst Case (Any 8 Products)	11785	353.6
	Validation products	5	0.15
	Grand Total	11790	353.75

List of By Products – After Expansion

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

(xix) **Project Cost**

The proposed expansion entails a capital cost of Rs. 16 crores towards additional utilities and enhancement of treatment facilities, storages and additional equipment to enhance the capacity.

Project Cost			Rs. In Crores
Plant & machinery			10
Civil buildings			1
Structures			1
Total			12
Pipe lines & insulation	20% on plant & machinery		2
Electricals & instrumentation	10% on plant & machinery		1
Erection & commissioning & painting	8% on plant & machinery		0.8
Material handling equipment charges			0.1
Safety equipment			0.1
Total			3.9
Project Cost			16

Minutes of the SEAC Meeting held on 10.09.2020

(xx) **ZLD System and its adequacy**
The total effluent generated before and after expansion

Description	Quantity (KLD)		Mode of Treatment
	Permitted/ Existing	After Expansion	
HTDS Effluents			
Process	17.66	60.2	Sent to Stripper. Stripper condensate shall be disposed to cement industries for co-processing/TSDf. Stripper bottom is sent to MEE followed by AFTD. Condensate from MEE shall be sent to biological treatment plant followed by RO. RO rejects are sent to MEE and permeate is reused in cooling towers and boiler make-up
Washings	3	5	
Scrubber	4.5	8	
RO/DM Plant		10	
Total I	25.16	83.2	
LTDS Effluents			
DM Regeneration	5		Sent to biological treatment system followed by RO. RO permeates reused for cooling towers and boiler make-up. RO rejects are sent to MEE.
QC and R& D		1	
Boiler Blow downs		6	
CT Blow downs		26	
Domestic	3	4.5	
Total II	8	37.5	
Grand Total (I+II)	33.16	120.7	

(viii). **Solid Waste: Comparison of existing and proposed (which are going for expansion)**

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

(IX) **Impact on Surroundings**

S.No	Description	Remarks
1	Water Pollution	Total effluent generated increased from 33.6 KLD to 120.7 KLD and same will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible

2	Air Pollution	The sources of air pollution in the plant are proposed as
---	---------------	---

Minutes of the SEAC Meeting held on 10.09.2020

		<p>TPH and existing 2 x 2.5 TPH coal fired boilers and thermic fluid heater of 2 x 2 lakh K.cal/hr is proposed. It is proposed to establish backup DG sets of 2 x 500 KVA in addition to existing 1 x 250 KVA and 1 x 125 KVA capacity to cater energy requirement during load shut downs. DG sets shall be provided with effective stack height based on the CPCB formula. The air pollution control equipment for proposed 1 x 6 TPH coal fired boiler and thermic fluid heater is bag filters.</p> <p>Hydrogen chloride, hydrogen bromide, Ammonia and Sulfur dioxide are sent to scrubber in series. The resultant solutions after scrubbing i.e., sodium chloride from hydrogen chloride and sodium bromide from hydrogen bromide, ammonium chloride from ammonia and sodium sulphate from sulfur dioxide are sent to ETP. Carbon dioxide is let out into atmosphere following a standard operating procedure. Hydrogen is let into atmosphere through water column following a standard operating procedure.</p> <p>Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</p>
3	Solid Waste	<p>All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</p> <p>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate is sent to authorized recovery units/ Cement plants for co-incineration.</p> <p>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. Hence impact on soil pollution is minimal</p>

(X) Applicability of S.O. 804 (E), dt. 14.03.2017 & S.O. 1030 (E) dt. 08.03.2018 issued by MoEF&CC, GoI.

M/s. Arene Life Sciences Limited, Unit II (formerly M/s. ELBS Pharma (P) Ltd.) obtained environmental clearance vide order no.F.No. J-11011/687/2007-IA II (I) dated 07.01.2008. The consent for operation was obtained for manufacturing of bulk drug intermediates vide CFO order no. TSPCB/ RCP/ NLG/CFO /HO/ 2018-1233 dated 15.06.2018 valid till 31.05.2019.

(XI) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Emergency Procedure

- Whoever notices an emergency identified above or a grave situation or a situation which has a potential to develop into an emergency should forthwith raise the alarm by suitable means the person will also inform the shift In-charge of the area affected.
- Essential Employees, if they are on plant rounds are to move to their place of work and await instructions or carry out predetermined responsibilities such as taking safe shutdown of equipment or entire plant during emergency as per the instructions of incident controller procedure.
- If they are aware of nature of emergency, they take necessary steps to control situation-causing emergency, by taking precautions to protect themselves and to protect property, prevent spreading of emergency. If necessary or instructed by Incident controller they take emergency shutdown of that plant.

- *In the event of fire accident, electrical operator would switch off power supply the concerned block enabling firefighting operations as and when instructed by Incident controller.*

Greenbelt development.

M/s. Arene Life Sciences Limited, Unit II developed green belt in a total area of 2.5 acres covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment.

Recommendations:

With the above EMP measures in implementation, expansion of the API production may not adverse impacts on the surrounding environment. Environmental Clearance may be given to M/S Arene Life Sciences Limited -Unit, for the proposed expansion with inclusion of the following clauses in EC.

- 1. Change in the products from 23 to 33 and permitted capacity for only 8 products at any given point of time, as listed in the proposal.*
- 2. Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
- 3. Maintenance of the exiting green belt and develop the additional green belt within the site.*

The SEAC noted that the distance of the proposed project from Gundrampally (V), Chityal (M), Nalgonda District is about 5.7 km.

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

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

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

The Sub-Committee constituted by the SEAC inspected the site on 14.08.2020 and submitted the report. The following observations were made by the sub-committee members:

Minutes of the SEAC Meeting held on 10.09.2020

Manufacturing Capacity – Permitted

S.No	Name of Product	Capacity	
		Kg/day	TPM
1	Aprimilast	33.33	1
2	Canagliflozin	33.33	1
3	Droxidopa	33.33	1
4	Emtricitabine	83.33	2.5
5	Eslicarbazepine Acetate	83.33	2.5
6	Oxcarbazepine	16.67	0.5
7	Ranolazine	16.67	0.5
8	Armodafinil	33.33	1.0
9	Clomipramine hydrochloride	6.67	0.2
10	Diacerein	66.67	2.0
11	Dofetilide	0.33	0.01
12	Eluxadoline	8.33	0.25
13	Indigocarmine	0.17	0.01
14	Iohexol	83.33	2.50
15	Iopamidol	83.33	2.50
16	Isosulfan blue	0.17	0.01
17	Metolazone	6.67	0.20
18	Methylene blue	0.17	0.01
19	Metyrosine	6.67	0.20
20	Mycophenolate mofetil	83.33	2.50
21	Mycophenolate Sodium	83.33	2.5
22	Nadolol	6.67	0.2
23	Permethrin	33.33	1
24	Prochlorperazine Edisylate	0.83	0.025
25	Prochlorperazine	0.67	0.020
26	Prochlorperazine Maleate	0.83	0.025
27	Sodium Nitroprusside	0.17	0.005
28	Succinyl Choline Chloride	0.17	0.005
29	Sugammadex Sodium	33.33	1
30	Trientine Dihydrochloride	33.33	1
31	Verdenafil HCl Trihydrate	16.67	0.5
32	Nimodipine (Pure)	33.33	1
33	R & D Products	50	1.5
34	Carbamazepine (Pure)	33.33	1.0
35	6-Amino Caproic acid	33.33	1.0
36	Suvorexant	33.33	1.0
37	Nitazoxanide	33.33	1.0
38	Valacyclovir HCl. Monohydrate	70	2.1
Total (Worst Case 6 Products)		500	15

Products after expansion:

S.No	Name of Product	Capacity	
		TPM	Kg/day
1	Amlodipine Besylate	50	1666.7
2	Aprimilast	33	1100
3	Bocepravir	6	200
4	Bupropion HCl	50	1666.7
5	Carvedilol	60	2000
6	Clopidogrel Hydrogen Bisulfate	40	1333.3
7	Colisevelam	6	200
8	Dalfampridine	17	566.7
9	Dex lansoprazole	5	166.7
10	Divalproex Sodium	45	1500
11	Drotaverine HCl	3	100
12	Duloxetine HCl	15	500

Minutes of the SEAC Meeting held on 10.09.2020

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

List of By-products – After Expansion:

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

Minutes of the SEAC Meeting held on 10.09.2020

(xxi) Project Cost

The proposed expansion entails a capital cost of Rs. 60 crores towards additional production block, zero liquid discharge facility, additional utilities proposed and storage facility.

Project Cost		
		Rs. In Crores
Plant & machinery		37.0
Civil buildings		5.0
Structures		3.0
Total		30.0
Pipe lines & insulation	20% on plant & machinery	6.0
Electricals & instrumentation	10% on plant & machinery	3.0
Erection & commissioning & painting	8% on plant & machinery	2.4
Land & development		0.4
Material handling equipment charges		0.3
Laboratory equipment		1.0
Safety eqpt		0.4
Furniture, fixtures, computers, lighting etc.		1.1
Total		15
Project Cost		60.0

(xxii) ZLD System and its adequacy

The total effluent generated before and after expansion

Description	Quantity (KLD)		Mode of Treatment
	Permitted	After Expansion	
HTDS Effluents			
Process	20.8	157.5	Sent to Stripper. Stripper condensate shall be disposed to cement industries for co-processing/TSDF. Stripper bottom is sent to MEE followed by AFTD. Condensate from MEE shall be sent to biological treatment plant followed by RO. RO rejects are sent to MEE and permeate is reused in cooling towers, boiler make-up and scrubbers.
Washings	3	25	
Scrubber Effluent		20	
RO/DM Plant Rejects		20	
Total I	23.8	222.5	
LTDS Effluents			
QC and R&D	1	--	Sent to biological treatment system followed by RO. RO permeate reused for cooling towers, boiler make-up and scrubbers. RO rejects are sent to MEE.
Boiler Blow downs	3	20	
Cooling Tower Blow downs		82	
Domestic	3	20	
Total II	7	122	
Grand Total (I+II)	30.8	344.5	

(viii). Solid Waste: Comparison of existing and proposed (which are going for expansion)

Total Solid Waste Generated and Mode of Disposal

S.No	Description	Quantity	Mode of Disposal
1	Ash from Boiler	13.8 TPD	Sold to Brick manufactures and cement plants
2	Organic residue	9.74 TPD	Sent to TDSF/Cement Plants for Co-incineration
3	Solvent Residue	8.43 TPD	Sent to TDSF/Cement Industries
4	Spent Solvent	1830 KLD	Recovered within plant premises and reused
5	Mixed Solvent	20.3 KLD	Sent to authorized recovery units/Cement plants for co-incineration
6	Stripper Distillate	4 KLD	Sent to Cement Industries for Co-incineration.
7	Spent Carbon	1223 Kg/day	
8	Hyflow and Catalyst	242.5 Kg/day	Sent to TDSF/ Manufacturers / Suppliers / Authorized agencies
9	Inorganic Residue	3.64 TPD	Sent to TDSF

Minutes of the SEAC Meeting held on 10.09.2020

S.No	Description	Quantity	Mode of Disposal
10	Evaporation salts	9.46 TPD	Sent to TSDF
11	ETP Sludge	3330 Kg/day	Sent to TSDF
12	Detoxified containers	2500 No.s/Yr	Sold to authorized vendors
13	Waste oil	5.6 KLPA	Sent to Authorized Recyclers
14	Used batteries	24 No.s/Yr	Sent to Authorized Recyclers

(ix) Impact on Surroundings

S.No	Description	Remarks
1	Water Pollution	Total effluent generated increased from 30.8 KLD to 344.5 KLD and same will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible
2	Air Pollution	The sources of air pollution are proposed 2 x 10 TPH and 1 x 20 TPH Coal fired boilers, 1 x 2 Lac k. cal thermic fluid heater, existing 1 x 5 TPH coal fired boiler, proposed DG set of 3 x 1000 kVA and existing DG set of 380 kVA. The proposed air pollution control equipment for 2 x 10 TPH coal fired boilers is bag filter. DG sets shall be provided with effective stack height based on the CPCB formula. The process emissions contain Ammonia, Carbon dioxide, Hydrogen, Nitrogen, Oxygen, Hydrogen chloride, Hydrogen fluoride, Hydrogen sulfide and Sulfur dioxide. Ammonia, Hydrogen chloride, Hydrogen fluoride, Hydrogen sulfide and Sulphur dioxide are sent to scrubber in series. Sodium chloride from Hydrogen chloride, ammonium chloride from ammonia, sodium fluoride from hydrogen fluoride, sodium sulfide from hydrogen sulfide scrubbing sent to ETP. Carbon dioxide, oxygen and nitrogen gases are let out into atmosphere following a standard operating procedure, while Hydrogen gas is let out into atmosphere through a water column. Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.
3	Solid Waste	All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility. Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate is sent to authorized recovery units/ Cement plants for co-incineration. Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. Hence impact on soil pollution is minimal

(X) Applicability of S.O. 804 (E), dt. 14.03.2017 & S.O. 1030 (E) dt. 08.03.2018 issued by MoEF&CC, GoI.

M/s. Dasami Lab Pvt. Ltd (Formerly known as M/s. SVAKRM Laboratories Pvt. Ltd and Medchem Organics Pvt. Ltd) Unit was established in 2008 and accordingly obtained Environmental Clearance vide letter no. F. No. J-11011/533/2007-IA. II (I), dt. 21.02.2008. The unit had renewed consent for operation vide order no. TSPCB/ RCP/NLG/HO/CFO /2018 – 2017 dated 29.08.2018.

(XI) Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Emergency Procedure

Minutes of the SEAC Meeting held on 10.09.2020

- *Whoever notices an emergency identified above or a grave situation or a situation which has a potential to develop into an emergency should forthwith raise the alarm by suitable means the person will also inform the shift In-charge of the area affected.*
- *Essential Employees, if they are on plant rounds are to move to their place of work and await instructions or carry out predetermined responsibilities such as taking safe shutdown of equipment or entire plant during emergency as per the instructions of incident controller procedure.*
- *If they are aware of nature of emergency, they take necessary steps to control situation-causing emergency, by taking precautions to protect themselves and to protect property, prevent spreading of emergency. If necessary or instructed by Incident controller they take emergency shutdown of that plant.*
- *In the event of fire accident, electrical operator would switch off power supply the concerned block enabling fire fighting operations as and when instructed by Incident controller.*

Greenbelt development.

M/s. Dasami Lab Pvt. Ltd., is an existing chemical plant. Green belt is developed green belt in a total area of 18 acres covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment.

Recommendations:

With the above EMP measures in implementation, the proposed activity of expansion of API manufacturing unit, may not have significant adverse impacts on the surrounding environment. Environmental Clearance may be given to M/S Dasami Pvt Labs Limited, for the proposed project with inclusion of the following clauses in EC.

1. *No Change in the products other than the proposed 57 products and only 27 products on campaign basis.*
2. *Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
3. *Maintenance of the exiting green belt and develop the additional green belt within the site.*

The SEAC noted that the distance of the proposed project from Gundrampally (V), Chityal (M), Nalgonda District is about 6.1 km.

The SEAC noted that Sri G. Narsimha Goud, Gundrampally (V), Chityal (M), Nalgonda District submitted a representation dt.10.08.2020 against the proposed project. It was informed that recently, a Public Hearing was conducted w.r.t. according Environmental permission for expansion of the industry. People in large, environmental social workers / environmental organizations have participated in the public hearing and unanimously negative / opposed the proposal of according environmental permissions, as the residence of Chityal & near by villages are already subjected to many health hazards and dangerous diseases. Hence, it was requested the environmental permissions for expansion activities of the M/s. Dasami Labs may be rejected.

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

Agenda Item No.46	M/s. Dhatri Lab Pvt. Ltd., Survey No. 691 to 693, 695, 696, 749 and 750, Peddakaparthi Village, Chityal Mandal, Nalgonda District., Telangana – Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/156383/2020 (EC)

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on impacts of the proposed project on nearest human habitation, water body, RF & surrounding environment, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 11.08.2020 and submitted the report. The following observations were made by the sub-committee members:

Manufacturing Capacity

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

Minutes of the SEAC Meeting held on 10.09.2020

List of By-Products

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

Project Cost

The proposed expansion entails a capital cost of Rs. 65 crores.

Project Cost			Rs. In Crores
Plant & machinery			39
Civil buildings			6.6
Structures			5.0
Total			51.0
Pipe lines & insulation	20% on plant & machinery		3.9
Electricals & instrumentation	10% on plant & machinery		3.9
Erection & commissioning & painting	8% on plant & machinery		3.2
Land & development			0.7
Material handling equipment charges			0.3
Laboratory equipment			0.8
Safety equipment			0.7
Administration			0.2
Total			13.7
Project Cost			65

(xxiii) ETP Modifications

Not Applicable: The proposed unit is a greenfield project.

(xxiv) Products: Comparison of existing and proposed (which is going for expansion)

Not Applicable: The proposed unit is a greenfield project.

(xxv) Verify production details w.r.t permitted for the past one year, as per ER-I

Not Applicable: The proposed unit is a greenfield project.

(xxvi) Solid Waste: Comparison of existing and proposed (which are going for expansion)

Solid Waste generation and Mode of Disposal:

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

Minutes of the SEAC Meeting held on 10.09.2020

The Sub-Committee constituted by the SEAC inspected the site on 09.08.2020 submitted the report. The following observations were made by the sub-committee members:

Manufacturing Capacity- Permitted

S.No	Name of Product	Quantity (Kg/day)
Group - A		
1	N-(2-Methyl-5-aminophenyl)-4-(3-pyridyl)-2-pyrimidine amine	116.7
2	4-[(4-Methylpiperazin-1-yl) methyl] benzoic acid dihydrochloride	133.3
3	2,3-Epoxy- 2- methyl-N-[4- cyano-3-(trifluoro methyl) phenyl] propanamide	61.1
4	Ethyl-N- phthaloyl-p-amino -L- phenyl alaninate Hydrochloride	16.7
5	2-Deoxy- 2,2- Difluoro -D- Erythro- Pentafuranousulose- 3,5- Dibenzoate	22.2
	Total Group -A	350
Group - B		
1	Bis- (2- Chloroethyl) Amine Hydrochloride	83.3
2	N-Acetyl Cytosine	41.7
3	Benzonitrile 4- (1h- 1,2,4 - Triazol-1-yl Methyl)	55.6
4	N-Phthaloyl,D, L Glutamic Acid anhydride	69.4
5	2', 3' - Di-O-acetyl - 5' - deoxy -5- fluorocytidine	100
	Total Group -B	350
	Total Production capacity on worst case i.e., for Group - A or Group - B	350

Note: it is noted that the above products are manufactured on campaign basis, i.e. at any point of time only one group will be manufactured.

Products after expansion:

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

Minutes of the SEAC Meeting held on 10.09.2020

List of By-products – After Expansion

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

Project Cost:

The proposed expansion entails a capital cost of Rs. 45 crores towards additional production block, zero liquid discharge facility, additional utilities proposed and storage facility.

Project Cost			Rs. In Crores
Plant & Machinery			24.0
Civil Buildings			6.0
Structures			3.0
Total			33.0
Pipe lines & Insulation	20% on Plant & Machinery		7.0
Electricals & Instrumentation	10% on Plant & Machinery		0.7
Erection, Commissioning & painting	8% on Plant & Machinery		0.6
Land & Development			0.3
Material handling equipment charges			0.5
Laboratory Equipment			1.2
Safety Equipment			0.8
Furniture, fixtures, computers, lighting etc.			0.4
Total			11.5
Contingencies & pre-operative expenses	5% on the above		0.5
Project Cost			45.0

ZLD System and its adequacy

The total effluent generated before and after expansion

Description	Quantity (KLD)		Mode of Treatment
	Permitted	After Expansion	
HTDS Effluents			
Process	4.52	125.8	Sent to Stripper. Stripper condensate shall be disposed to cement industries for co-processing/TSDF. Stripper bottom is sent to MEE followed by AFTD. Condensate from MEE shall be sent to biological treatment plant followed by RO. RO rejects are sent to MEE and permeate is reused in cooling towers and boiler make-up
Washings	1	10	
Scrubber Effluent		15	
RO/DM Plant Rejects		20	
Total I	5.52	170.8	
LTDS Effluents			
Boiler Blow downs	1	15	Sent to biological treatment system followed by RO. RO permeate reused for cooling towers and boiler make-up. RO rejects are sent to MEE.
Cooling Tower Blow downs	0.5	60	
Domestic	1	9	
Total II	2.5	84	
Grand Total (I+II)	8.02	254.8	

Impact on Surroundings:

S.No	Description	Remarks
1	Water Pollution	Total effluent generated increased from proposed unit will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers and boiler make-up in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible
2	Air Pollution	<p>The sources of air pollution are from proposed 2 x 10 TPH and 1 x 20 TPH Coal fired boilers, 1 x 2 Lac k. cal thermic fluid heater, proposed DG set of 3 x 1000 kVA. The proposed air pollution control equipment for 2 x 10 TPH, 1 x 20 TPH coal fired boilers is bag filter. DG sets shall be provided with effective stack height based on the CPCB formula.</p> <p>Process emissions contain Ammonia, Carbon dioxide, Hydrogen, Nitrogen, Oxygen, Hydrogen chloride, Hydrogen fluoride and Sulphur dioxide. Ammonia, Hydrogen chloride, Hydrogen fluoride and Sulphur dioxide are sent to scrubber in series. Sodium chloride from Hydrogen chloride, ammonium chloride from ammonia, sodium fluoride from hydrogen fluoride sent to ETP. Carbon dioxide, oxygen and nitrogen gases are let out into atmosphere following a standard operating procedure, while Hydrogen gas is let out into atmosphere through a water column. Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</p>
3	Solid Waste	<p>All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</p> <p>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate is sent to authorized recovery units/ Cement plants for co-incineration.</p> <p>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. Hence impact on soil pollution is minimal</p>

Applicability of S.O. 804 (E), dt. 14.03.2017 & S.O. 1030 (E) dt. 08.03.2018 issued by MoEF&CC, GoI.

Not Applicable: The proposed unit is a greenfield project.

Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

The proposed unit will adopt the following safety procedure and measures for implementation of disaster management plan.

Emergency Procedure

- Whoever notices an emergency identified above or a grave situation or a situation which has a potential to develop into an emergency should forthwith raise the alarm by suitable means the person will also inform the shift In-charge of the area affected.
- Essential Employees, if they are on plant rounds are to move to their place of work and await instructions or carry out predetermined responsibilities such as taking safe shutdown of equipment or entire plant during emergency as per the instructions of incident controller procedure.

Minutes of the SEAC Meeting held on 10.09.2020

- *If they are aware of nature of emergency, they take necessary steps to control situation-causing emergency, by taking precautions to protect themselves and to protect property, prevent spreading of emergency. If necessary or instructed by Incident controller they take emergency shutdown of that plant.*
- *In the event of fire accident, electrical operator would switch off power supply the concerned block enabling firefighting operations as and when instructed by Incident controller.*

Greenbelt development

The management developed green belt in a total area of 8.25 acres covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment.

Recommendations:

With the above EMP measures in implementation, the impact of proposed activity of establishment of API, on surrounding environment may not be significant. Environmental Clearance may be given to M/S Dhatri Labs Pvt Ltd., for the proposed project with inclusion of the following clauses in EC.

- 1. No Change in the products other than the proposed 57 products and in worst scenario 27 products on campaign basis. Co generation power plant : 2X2 MW*
- 2. Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
- 3. Development and Maintenance of the proposed area under green belt.*

The SEAC noted that the distance of the proposed project from Gundrampally (V), Chityal (M), Nalgonda District is about 6.5 km.

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

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

- Distance of the industry from the nearest boundary of Patancheru and Bollaram Industrial Areas.
- Project modification
- Project cost
- ZLD System & its adequacy
- ETP modifications
- Products: Comparison of existing and proposed (which are going for expansion)
- Verify Production details w.r.t. permitted for the past one year, as per ER-I.
- Raw material: Comparison of existing and proposed (which are going for expansion)
- Solid waste: Comparison of existing and proposed (which are going for expansion)
- Impact on surroundings
- Applicability of S.O.804 (E), dt.14.03.2017 & S.O. 1030 (E) dt.08.03.2018 issued by the MoEF&CC, GoI.
- 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

Solid Waste: Comparison of existing and proposed (which are going for expansion)

Total Solid Waste Generated and Mode of Disposal

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

Impact on Surroundings

S.No	Description	Remarks
1	Water Pollution	Total effluent generated increased from 8.02 KLD to 254.8 KLD and same will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible
2	Air Pollution	<p>The sources of air pollution are from proposed 1 x 20 TPH and 1x12 TPH coal fired boilers, 1 x 2 Lac k.cal FO thermic fluid heater and existing 1 Lakh K. Cal thermic fluid heater. It is proposed to dismantled existing 1 x 2 TPH boiler after expansion. Backup DG sets of 2 x 1500 kVA are proposed in addition to existing DG sets of 1 x 250 KVA capacity to cater energy requirement during load shut downs. Bag filter will be provided as air pollution control equipment for proposed 1 x 20 TPH and 1 x 12 TPH coal fired boilers. DG sets shall be provided with effective stack height based on the CPCB formula.</p> <p>Process emissions contain Ammonia, Carbon dioxide, Hydrogen, Hydrogen Bromide, Hydrogen Chloride and Sulphur dioxide. Ammonia, Hydrogen chloride, Hydrogen Bromide and Sulphur dioxide are sent to scrubber in series. Ammonium Chloride from ammonia scrubbing, Sodium chloride from HCl scrubbing, Sodium bromide from HBr Scrubbing and Sodium Bisulfite from Sulphur dioxide Scrubbing are sent to ETP. The other gases carbon dioxide is let out into atmosphere following a standard operating procedure, while Hydrogen gas is let out into atmosphere through a water column.</p> <p>Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.</p>

Minutes of the SEAC Meeting held on 10.09.2020

3	Solid Waste	<p><i>All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</i></p> <p><i>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate are sent to authorized recovery units/ Cement plants for co-incineration.</i></p> <p><i>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. Hence impact on soil pollution is minimal</i></p>
---	-------------	---

(xxvii) **Applicability of S.O. 804 (E), dt. 14.03.2017 & S.O. 1030 (E) dt. 08.03.2018 issued by MoEF&CC, GoI.**

M/s. Hazelo Lab Pvt. Ltd (Formerly known as Venlar Labs (P) Ltd) Unit as obtained Environment Clearance Vide file no. F. No. J-11011/87/2010-IA II (I) dated 23.11.2010. The unit had renewed consent for operation vide order no. TSPCB/RCP/NLG/HO/2017 - 810 dated 30.05.2017 valid till 31.01.2022.

(xxviii) **Implementation of disaster management plan and safety measures in the existing project and proposed expansion.**

Emergency Procedure

- *Whoever notices an emergency identified above or a grave situation or a situation which has a potential to develop into an emergency should forthwith raise the alarm by suitable means the person will also inform the shift In-charge of the area affected.*
- *Essential Employees, if they are on plant rounds are to move to their place of work and await instructions or carry out predetermined responsibilities such as taking safe shutdown of equipment or entire plant during emergency as per the instructions of incident controller procedure.*
- *If they are aware of nature of emergency, they take necessary steps to control situation-causing emergency, by taking precautions to protect themselves and to protect property, prevent spreading of emergency. If necessary or instructed by Incident controller they take emergency shutdown of that plant.*
- *In the event of fire accident, electrical operator would switch off power supply the concerned block enabling fire fighting operations as and when instructed by Incident controller.*

(xii). **Greenbelt development.**

M/s. Hazelo Lab Pvt. Ltd developed green belt in a total area of 7 acres covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, prevention of soil erosion, and creation of aesthetic environment.

Recommendations:

With the above EMP measures in implementation, the proposed activity of expansion of API manufacturing unit, may not have significant adverse impacts on the surrounding environment. Environmental Clearance may be given to M/S HAZELO LAB PVT. LTD for the proposed project with inclusion of the following clauses in EC.

1. *No Change in the products other than the proposed 27 products and worst scenario 22 products on campaign basis. Co generation power plant : 1X2 MW*
2. *Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.*
3. *Development and Maintenance of the proposed area under green belt.*

The SEAC noted that Sri P.L.N. Rao, Environment Social Worker, Lingojigudem (V), Choutuppal (M), Yadadri Bhuvanagiri District submitted a representation dt.07.08.2020 against the proposed project. It was informed that a public hearing was conducted on 12.07.2017 and the Public /

Minutes of the SEAC Meeting held on 10.09.2020

Farmers / Villagers have unanimously gave their negative vote for the proposal in public hearing. Hence, it was requested to cancel immediately the environmental permission accorded to M/s. Hazelo Industry for its expansion activities and protect / safeguard the public interest.

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

Agenda Item No. 48	M/s. Hindys Lab Pvt. Ltd, (Formerly known as Hychem Laboratories. Survey No. Parts of 289, 290, 291 and 292, Veliminedu Village, Chityal Mandal, Nalgonda District - Environmental Clearance (Expansion) - Reg.
Proposal No.	SIA/TG/IND2/154174/2020 (EC)

Earlier, the SEAC in its meeting held on 31.07.2020 constituted a sub-committee to inspect the unit, verify records and submit a report on the following:

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

The Sub-Committee constituted by the SEAC inspected the site on 05.08.2020 and submitted the report. The following observations were made by the sub-committee members:

Manufacturing Capacity – Permitted

S.No	Name of the Product		Capacity	
			Kg/day	TPM
<i>Permitted</i>				
1	Group A	2-Chloro methyl - 1, 4 - methoxy - 3, 5 - dimethyl Pyridine	116.7	3.5
2		N - Butyl Lithium	58.3	1.75
		Total - Group A	175	5.25
3	Group B	5 - Cyano Phthalide	61	1.83
4		Cis - Bromo Benzoate	91.7	2.75
		Total - Group B	152.7	4.58
<i>Proposed Products After Change of Product Mix</i>				
1	Group A	N-[4-(3,4-dichlorophenyl)-3,4-dihydro-1-naphthalenylidene]-methanamine (DDN)	116.7	3.5
2		5-Methoxy-2-[(4-methoxy-3,5-dimethylpyridin-2-yl)methyl]thio]-1H-benzimidazole (Omeprazole intermediate)	58.3	1.75
		Total - Group A	175	5.25
3	Group B	(s)-N,N-Dimethyl-3-hydroxy-3-(2-thienyl) propanamine (DMP)	66.7	2
4		Camphor sulfonyl Chloride (CSC)	108.3	3.25
		Total - Group B	175	5.25

Minutes of the SEAC Meeting held on 10.09.2020

S.No	Name of the Product		Capacity	
			Kg/day	TPM
5	Group C	CBZ L Valine	100	3
6		Tert-butyl 2-((4R,6S)-6-((E)-2-(4-(4-fluorophenyl)-6-isopropyl-2-(N-methylmethane sulfonamido) Pyrimidin-5-yl)vinyl)-2,2-dimethyl-1,3-dioxane-4-yl-) acetate (TPA)	75	2.25
		Total - Group C	175	5.25
7	Group D	3-(Carbamyl Methyl)-5-Methyl hexanoic Acid (CMH)	86.7	2.6
8		5-Cyano phthalide (Citalopram HBr Intermediate) (FCP)	88.3	2.65
		Total - Group D	175	5.25
Total (Any one Product can be manufactured at any point of Time)			175	5.25

Manufacturing Capacity – After expansion

S.No	Product Name	Capacity	
		TPM	Kg/day
1	Amlodipine Besylate	31	1033.3
2	Clopidogrel Hydrogen Sulfate	35	1166.7
3	Dex Lansoprazole	1	33.3
4	Divolproex sodium	3.5	116.7
5	Duloxetine	5	166.7
6	Glimepiride	0.6	20
7	Mesalamine	1	33.3
8	Metoprolol	7	233.3
9	Nebivolol HCL	39	1300.0
10	Pragabalin	1	33.3
11	Rosuvastatin	3	100
12	Sertraline HCl	34	1133.3
13	Valaciclovir	31	1033.3
14	2-Acetyl Ethoxy acetyl methoxy ether (AEA) (Acyclovir Intermediate)	57.4	1913.3
15	Trans-4-(4-chlorophenyl)-cyclohexane carboxylic acid (Atovaquone Intermediate)	0.5	16.7
16	5-Cyano phthalide (Citalopram Intermediate)	53	1766.7
17	Ethyl 3-([3-Amino-4-(Methylamino) Benzoyl] (Pyridine-2-Yl) Amino) Propanoate (EMP) (Dabigatran Etixilate Mesylate Intermediate)	1	33.3
18	(S)-3-(Dimethylamino)-1-(2-thienyl)-1-propanol (DMTP) (Duloxetine Intermediate)	0.5	16.7
19	(Cis-Exo)-2,3-norbornane dicarboximide [BDX] (Lurosidone HCl Intermediate)	9	300
20	(1R,2R)-cyclohexane-1,2-diyl-bis (methylene) dimethane sulfonate [MOC] (Lurosidone HCl Intermediate)	1.5	50
21	2-[2-[3(S)-[3-[2-(7-Chloro-2-Quinoliny)]-ethenyl]phenyl]-3-hydroxypropyl]phenyl-2-propanol (CQHP) (Montelukast Sodium Intermediate)	15.5	516.7
22	2,8-Diazo bicyclo Nonane (Moxifloxacin Intermediate)	15.5	516.7
23	Carbamyl Methyl-5-Methyl hexanoic Acid (CMM) (Pragabalin Intermediate)	4	133.3
24	(2S,3S,5S)-2-Amino-3-Hydroxy-5-Tert-Butylcarbonyl Amino 1,6-Diphenyl (BDH pure) (Ritonavir Intermediate)	0.5	16.7
25	Tert-butyl 2-((4R,6S)-6-((E)-2-(4-(4-fluorophenyl)-6-isopropyl-2-(N-methylmethane sulfonamido)Pyrimidin-5-yl)vinyl)-2,2-dimethyl-1,3-dioxane-4-yl-) acetate (TIN) (Rosuvastatin Intermediate)	18.6	620
26	Poly allyl amine HCl (Sevelamir Intermediate)	5	166.7
27	Dibenzimidazole (Telmisartan Intermediate)	36	1200
28	Diacetyl acyclovir (Valaciclovir Intermediate)	46	1533.3

Minutes of the SEAC Meeting held on 10.09.2020

S.No	Product Name	Capacity	
		TPM	Kg/day
29	Camphor sulfonyl dichloride (Intermediate of Esmoperazole Magnesium)	37	1233.3
30	D- Mandalic acid (Intermediate of Sertraline HCl)	35	1166.7
31	4-(3,4-Dichlorophenyl)-3,4-dihydro-N-methyl-1-(2H)-Naphthaleneimine (Intermediate of Sertraline Hcl)	56	1866.7
32	N2-(1-(S)-ethoxy carbonyl-3-phenyl propyl-N6-trifluoro acetyl-L-lyline (Intermediate of Lisinopril)	19	633.3
Total Worst Case: 27 Products on Campaign Basis		600	20000
Co-Generation Power Plant		2 MW	

List of By-products – After Expansion

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

Project Cost

The proposed expansion entails a capital cost of Rs. 45 crores towards additional production block, zero liquid discharge facility, additional utilities proposed and storage facility.

Project Cost			Rs. In Crores
Plant & machinery			22.0
Civil buildings			5.0
Structures			3.0
Total			30.0
Pipe lines & insulation	20% on plant & machinery		6.0
Electricals & instrumentation	10% on plant & machinery		3.0
Erection & commissioning & painting	8% on plant & machinery and structures		2.4
Land & development			0.4
Material handling equipment charges			0.3
Laboratory equipment			1.0
Safety eqpt			0.4
Furniture, fixtures, computers, lighting etc.			0.4
Total			14.3
Contingencies & pre-operative expenses	5% on the above		0.7
Project Cost			45.0

ZLD System and its adequacy

The total effluent generated before and after expansion

Description	Quantity (KLD)		Mode of Treatment
	Permitted	After Expansion	
HTDS Effluents			
Process	5	165.6	Sent to Stripper. Stripper condensate shall be disposed to cement industries for co-processing/TSDf. Stripper bottom is sent to MEE followed by AFTD. Condensate from MEE shall be sent to biological treatment plant followed by RO. RO rejects are sent to MEE and permeate is reused in cooling towers and boiler make-up.
Washings		10	
Scrubber Effluent	0.6	20	
RO/DM Plant Rejects		20	
Total I	5.6	215.6	

Minutes of the SEAC Meeting held on 10.09.2020

LTDS Effluents			
Boiler Blow downs	0.64	18	Sent to Biological Treatment System followed by RO. RO permeate reused for cooling towers and boiler makeup. RO rejects are sent to MEE.
Cooling Tower Blow downs		45	
Domestic	1	12.5	
Total II	1.64	75.5	
Grand Total (I+II)	7.24	291.1	

**Solid Waste: Comparison of existing and proposed (which are going for expansion)
Total Solid Waste Generated and Mode of Disposal**

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

Impact on Surroundings

S.No	Description	Remarks
1	Water Pollution	Total effluent generated increased from 7.24 KLD to 291.1 KLD and same will be treated in Zero Liquid Discharge System and treated wastewater reused for cooling towers make-up in addition of fresh water requirement. Hence impact on water usage is minimal and wastewater is negligible
2	Air Pollution	The sources of air pollution are proposed 2 x 8 TPH and 1 x 20 TPH Coal fired boiler, existing 1 x 2 TPH coal fired boiler, proposed DG sets of 2 x 1500 kVA and existing 1 x 250kVA. The proposed air pollution control equipment for 1 x 20 TPH and 2 x 8 TPH coal fired boilers is bag filter. DG sets shall be provided with effective stack height based on the CPCB formula. process emissions contain Ammonia, Carbondioxide, Hydrogen, Hydrogen chloride, Hydrogen sulfide and Sulfur dioxide. Ammonia, Hydrogen chloride, Hydrogen sulfide and Sulphur dioxide are sent to scrubber in series. Sodium chloride from Hydrogen chloride, ammonium chloride from ammonia, sodium fluoride from hydrogen fluoride, sodium bisulfate from sulfur dioxide scrubbing sent to ETP. Carbon dioxide let out into atmosphere following a standard operating procedure, while Hydrogen gas is let out into atmosphere through a water column. Two stage condensing system, scrubbers for process emissions and vacuum system for solvent distillation/recovery are proposed to mitigate diffuse emissions. Hence impact on air pollution is minimal.

3	Solid Waste	<p>All solid waste storage containers/drums/bags are labeled showing the source, nature of hazard and type of wastes. All the hazardous wastes are stored in a closed shed with fire safety measures, and the shed is provided with a leachate facility.</p> <p>Organic residues are sent to Cement plants for co-incineration. Mixed solvents, stripper distillate is sent to authorized recovery units/ Cement plants for co-incineration.</p> <p>Evaporation salts and ETP sludge are sent to TSDF and waste oil and used batteries are sent to authorize recyclers. Hence impact on soil pollution is minimal</p>
---	-------------	---

Applicability of S.O. 804 (E), dt. 14.03.2017 & S.O. 1030 (E) dt. 08.03.2018 issued by MoEF&CC, Gol.

M/s. Hindys Lab Pvt. Ltd (Formerly known as M/s. Hychem Laboratories) Unit was established in 2006 and accordingly obtained Consent for Establishment vide letter no. NAL-224/PCB/ZO/RCP/CFE/2006-65 dt. 28.04.2006. The unit had renewed consent for operation vide order no. TSPCB/RCP/NLG/CFO&HWM/HO/2019 dated 13.03.2019.

Implementation of disaster management plan and safety measures in the existing project and proposed expansion.

Emergency Procedure

- Whoever notices an emergency identified above or a grave situation or a situation which has a potential to develop into an emergency should forthwith raise the alarm by suitable means the person will also inform the shift In-charge of the area affected.
- Essential Employees, if they are on plant rounds are to move to their place of work and await instructions or carry out predetermined responsibilities such as taking safe shutdown of equipment or entire plant during emergency as per the instructions of incident controller procedure.
- If they are aware of nature of emergency, they take necessary steps to control situation-causing emergency, by taking precautions to protect themselves and to protect property, prevent spreading of emergency. If necessary or instructed by Incident controller they take emergency shutdown of that plant.
- In the event of fire accident, electrical operator would switch off power supply the concerned block enabling fire fighting operations as and when instructed by Incident controller.

Greenbelt development.

Green belt is developed in an area of 1.15 acres. it is proposed to enhance the green belt area to 3.7 acres, covering the boundary of the site as part of environment management plan and proposed to increase density to enhance environmental quality through mitigation of fugitive emissions, attenuation of noise levels, balancing eco-environment, and creation of aesthetic environment.

Recommendations:

With the above EMP measures in implementation, the proposed expansion of manufacturing capacity may not have significant adverse impacts on the surrounding environment. Environmental Clearance may be given to M/S HINDYS LAB PVT. LTD for the proposed project with inclusion of the following clauses in EC.

1. No Change in the products other than the proposed 32 products and in worst scenario 27 products on campaign basis. Co generation power plant : 1X2 MW
2. Expansion of ZLD as proposed and thoroughly implementing treatment system as committed in the EMP.
3. Development and Maintenance of the green belt.

The SEAC noted that the distance of the proposed project from Gundrampally (V), Chityal (M), Nalgonda District is about 4.0 km.

Minutes of the SEAC Meeting held on 10.09.2020

The SEAC noted that Sri G. Narsimha Goud, Gundrampally (V), Chitiyal (M), Nalgonda District submitted a representation dt.10.08.2020 against the proposed project. It was informed that the victimized farmers / villagers / local residence have opposed the environmental permissions to the industry and the participants of public hearing including eminent environment social workers unanimously opposed for granting environmental permissions. Hence, it was requested to cancel the environment permissions accorded to M/s. Hindys Labs to protect the interest of the public / common man / villagers / farmers.

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

Agenda Item: 49	M/s. Chavadi Pharma Pvt. Ltd., Plot No. 22, Sy. No. 103, Plot No. 21, Shed No.7, Sy. No. 105, 135, 142, 146, 155 and 156, IDA Kothur, Mahabubnagar District – Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/45447/2018 (EC)

Earlier, the SEAC in its meeting held on 28.10.2019 constituted a sub-committee to inspect the unit and submit report on present status of the project, existing environmental measures being practiced, adequacy of proposed EMP measures, impacts of the proposed expansion on the surrounding environment, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 02.07.2020 and submitted the report. The following observations were made by the sub-committee members:

Sri Chavadi Pharma Private Limited was established in the year 1997 for manufacturing Bulk Drug intermediates at Notified Industrial Development Area IDA Kothur. Total area of the plant is 9.58 Acres and the total area of green belt is 3.26 Acres.

The proposed project cost is Rs 11.50 Crores and for the total capital investment on environmental infrastructure proposed is Rs. 2.0 Crores.

List of Production Facilities, Utilities-Current & Proposed is tabulated below.

S.NO	Details	Capacity/ No	Current	Additions	After expansion
<i>Production facilities</i>					
1	<i>Production Blocks-</i>	<i>Nos</i>	<i>1</i>	<i>2</i>	<i>3</i>
2	<i>Clean rooms</i>	<i>Nos</i>	<i>-</i>	<i>1</i>	<i>1</i>
<i>Utilities</i>					
3	<i>Boiler (coal Fired)</i>	<i>TPH</i>	<i>0.5 TPH</i>	<i>3.0 TPH</i>	<i>3.0</i>
4	<i>DG sets</i>	<i>KVA</i>	<i>125</i>	<i>250</i>	<i>375</i>
5	<i>Cooling tower</i>	<i>TR</i>	<i>300</i>	<i>700</i>	<i>1000</i>
6	<i>Softner/DM plant</i>	<i>M³/hour</i>	<i>1.5</i>	<i>3.0</i>	<i>4.5</i>

Environmental Management Plans their adequacy:

- M/S Chavadi Pharma is proposing to establish ZLD system. It is proposed to treat the effluents from Sri Chavadi Pharma private Limited and Corey Organics Private limited a sister unit of Sri Chavadi Pharma Private Limited by establishing combined effluent treatment facilities. For the design capacities of the ZLD, in the EMP proponent has considered the effluent loads both from M/S Sri Chavadi Pharma Private Limited and M/s. Corey Organics and tabulated below.*

S. No	Description	Corey Organics Effluent in KLD	Sri Chavadi Pharma Effluent in KLD
1	<i>Process</i>	<i>12.8</i>	<i>9.9</i>
2	<i>Washings</i>	<i>3.0</i>	<i>2.0</i>
3	<i>Scrubber</i>	<i>1.0</i>	<i>2.0</i>

Minutes of the SEAC Meeting held on 10.09.2020

S. No	Description	Corey Organics Effluent in KLD	Sri Chavadi Pharma Effluent in KLD
4	Boiler blow downs	1.5	1.5
5	Cooling Towers blow downs	2.0	2.0
6	DM/Softner back washes	2.0	2.0
7	Domestic	2.0	4.0
Total		26.3	23.4

It is proposed to establish adequate ZLD system and modify existing ETP accordingly. Existing products and production capacities were given in the EMP.

Description	Existing	Proposed	After Expansion
Stripper	-	1 X 35 KLD	35 KLD
MEE	15 KLD	1 X 45 KLD	60 KLD
ATFD	-	1 X 16 KLD	16 KLD
RO & Biological ETP	-	1 X 70 KLD	70 KLD

- *During the Site visit it was observed that the proponent has developed green belt with in the plant.*
- *In-view of the EMP measures existing and proposed, and commitment given by the proponent in the proposed EMP, environmental clearance may be issued.*

The proponent vide Ir.dt. 08.09.2020 informed that both companies of M/s. Chavadi Pharma Pvt. Ltd., & M/s. Corey Organics Pvt. Ltd., located in IDA Kothur, RR District have same Management and submitted affidavit on common Mangament.

The SEAC noted that the units of M/s. Chavadi Pharma Pvt. Ltd., & M/s. Corey Organics Pvt. Ltd., located in IDA Kothur, RR District are located adjacent to each other and as they belong to same Management, it is proposed to treat the effluents generated from both the units in M/s. Corey Organics Pvt. Ltd.

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.50	M/s. Corey Organics private Limited, Plot no 8/1, 8/3, 8/4, shed no: 1, Plot No.22, (Sy.No.103) plot no-22/B plot no-23, (Sy.No.103) Sy. No.139 & 140, Sy.No.105, 135, 142, 146, 155 and 156, IDA Kothur, Rangareddy (Formerly Mahabunagar District) - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/45349/2017

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

The Sub-Committee constituted by the SEAC inspected the site on 16.03.2020 and submitted the report. The following observations were made by the sub-committee members:

1. Project Modification:

Corey organics private Limited is an existing drug intermediates Manufacturing Unit located at plot no. 8/1, 8/3, 8/4, shed no: 1, Plot No.22, (Sy.No.103) plot no-22/B plot no- 23, (Sy.No.103) Sy. No.139 & 140, Sy.No.105, 135, 142, 146, 155 and 156, IDA Kothur, Rangareddy (D), Telangana.

The company proposed to expand its production capacity from the current 4.99 TPM to 11.92 TPM enhancing the existing infrastructure.

Minutes of the SEAC Meeting held on 10.09.2020

2. Project Cost:

The unit is proposing to invest an additional amount of Rs.6.4 Crores towards its expansion. In the proposed amount of Rs. 9.9 Crores (Rs. 6.4 crores on plant and machinery and Rs. 3.5 crores on land) an amount of Rs. 2.0 crores is towards EMP Budget.

3. ZLD System and its adequacy

Currently the unit is evaporating high TDS effluents in MEE of 15 KLD Capacity and low TDS Effluents are sent to CETP for further treatment. It is now proposed to establish complete ZLD System which will be common for Corey organics private Limited and Sri Chavadi Pharma private Limited (Sister unit located adjacent to this unit). It is proposed to Establish MEE of 45 KLD in addition to the existing 15 KLD. The Total Capacity of MEE is 60 KLD and Biological ETP & RO system of 70 KLD capacity are proposed.

Waste Water discharge from Corey and Chavadi Units Together

S.no	Description	From Corey Organics	From Chavadi Pharma	Total Qty of effluents in KLD
1	HTDS effluents in KLD	16.8	13.9	30.7
2	LTDS effluents in KLD	9.5	9.5	19.0
	Total	26.3	23.4	

Current & Proposed ETP Units with Capacity:

S.No.	Details	Current	Proposed	After Expansion
1	Stripper	-	35KLD	35 KLD
2	MEE	15KLD	45KLD	60 KLD
3	ATFD	-	16KLD	16 KLD
4	RO & Biological treatment	--	70KLD	70 KLD

4. ETP Modifications:

It is proposed to establish Stripper, MEE and ATFD with a capacity of 60 KLD and Biological ETP & RO with a capacity of 70 KLD after expansion.

5. Products: Comparison of existing and proposed [which are going for expansion]:

List of existing and proposed products is given below

S.No	Product Name	Current Production Capacity TPM	Proposed Production Capacity TPM
	Group A		
1	2-amino Thiophenol	0.999	3.0
2	3-Methyl Diphenyl amine	0.999	0.99
3	2-Chloro-4-Methyl-3-Nitropyridine	0.999	0.399
4	5,6-Di chloro nicotinic acid	0.999	0.399
5	2-Hydroxy-5-Methyl pyridine	0.999	0.498
6	4-Nitro Benzenesulfonyl chloride	-	0.5
7	2,5 Di chloro pyridine	-	0.2
8	2-Chloro-6-Methyl-5-Nitro Pyridine	-	1.5
9	2-Chloro-6-Methoxy-3-Nitro Pyridine	-	0.5
10	2-Methoxy -5- Nitro Pyridine	-	0.25
11	2-Nitro -5-Bromo Pyridine	-	0.25
12	2-Nitro -5-Chloro Pyridine	-	0.25
13	2,6 Di Bromo Pyridine	-	0.25
14	7-Hydroxy-3,4 Dihydro (Aripiprazole)	-	0.5

S.No	Product Name	Current Production Capacity TPM	Proposed Production Capacity TPM
15	D-Tryptophan methyl ester hydrochloride (Tadalafil)	-	1.0
16	Acetamidine HCl	-	0.1
17	Ethyl-6-Chloro Nicotinate	-	0.1
18	4-Methyl amino-3-Nitro benzoic (Dabigatran)	-	0.5
19	4-Cyano Phenyl Glycine (Dabigatran)	-	0.5
20	3-(((2-((4-Carbamimidoyl phenyl)amino)methyl-1H Benzimidazol-5yl)carbonyl)(Pyridine-2yl-amino) Propanoic acid beta alanine (Dabigatran)	-	0.2
21	R & D products	-	0.03
	Total Group-A	4.995	11.92
	Group-B		
1	2,6-Dichloro-3-Nitropyridine	0.399	0.399
2	5-Bromo nicotinic acid	0.799	0.399
3	4-Acetyl pyridine	0.399	0.399
4	2-Hydroxy-5-Nitropyridine	0.500	0.399
5	3-Acetyl pyridine	1.5	3.0
6	5-Bromo-2-Chloro-3-Nitro Pyridine	-	0.3
7	2-Amino-3-Bromo-5-Iodo Pyridine	-	0.3
8	2-Bromo-5-Iodopyridine	-	0.5
9	3-Furoic acid	-	0.05
10	4-Methyl diphenyl amine	-	0.5
11	Pyridine-3-sulfonic acid	-	0.3
12	2-Fluoro-5-Iodo Pyridine	-	0.3
13	1-Hydroxy -7aza Benzotriazole (HOAT)	-	0.1
14	O-Benzotriazol-1yl-N,N,N,N-Tetramethyl uronium tetra Fluoro borate(TBTU)	-	0.1
15	O-Benzotriazol-1yl-N,N,N,N-Tetramethyl uronium tetra Fluoro Phosphate (HBTU)	-	0.1
16	9-Fluorenyl methoxy carbonyloxy amino acids	-	0.2
17	T-butyloxy carbonyl amino acids	-	0.2
18	Benzyloxy carbonyl-amino acids	-	0.2
19	5-Bromo-2-Chloro-3-Nitro Pyridine	-	0.3
20	R & D Products	-	0.03
	Group B production	3.6	8.08
	Worst case scenario	4.995	11.92

6. Production details for a period of 1 year

Production details as per GST for the period from June 2019 to May 2020 are given at Annexure I

7. Raw materials comparison of existing and proposed which are going for expansion

Raw materials and quantities comparison for existing and proposed are given at Annexure II

Minutes of the SEAC Meeting held on 10.09.2020

8. Solid waste Comparison of existing and proposed which are going for expansion

S.No	Description	Quantity	Mode of Disposal
1	MEE Salts & sludge from collection tank	449.5	Shall be sent to TSDF Dundigal, for secured land filling
2	ETP Sludge	150.0	
3	Inorganic residues	220.1	
4	Distillation Bottom residue	10.0	Shall be sent to authorized cement plants for co processing/ TSDF Dundigal,
5	Process Organic residue	128.3	
6	Spent carbon	10.0	Shall be sent to authorized cement plants for co processing
7	Stripper waste	26.34	
8	Spent solvents	15.0KL/month	Authorized recyclers after distillation
9	Distillate from stripper	6.595 TPD	Authorized 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 decontamination
12	Used oil/ waste Lubricating oil	200 LPM	Disposal to authorized agencies by pollution control Board
13	Used lead acid batteries	10 Nos/Annum	Returned back to dealer
14	Boiler Fly ash	2.6 TPD	Brick Manufacturers

9. Impact on surroundings

S.No	Environmental Element	Impact	Mitigation measures
1	Use of water	Depletion of water resources	Unit proposed ZLD system. Out of the total water requirement of 82.5 KLD, 40.7 KLD is recycled water. Fresh water requirement would be 41.8 KLD which will be met from private suppliers through tankers
2	Disposal of waste water	Land and ground water contamination	Unit proposed ZLD system and hence no waste water discharge envisaged
3	Air emissions	Increased emissions in the surroundings	Unit proposed additional 1 X 3 TPH boiler and 250 KVA DG sets. Proposed Cyclone separator to boiler and adequate stack height. Adequate Scrubbers are provided for process emissions.
4	Hazardous Wastes	Can contaminate Land and ground water if disposed	Segregation, Storage and disposal is addressed in EMP. Waste recycling options are identified
5	Flora & Fauna	Loss of Flora and Fauna due to expansion	No loss of flora is anticipated. Proposed to increase green belt in the company with proposed expansion.
6	Social Impacts	Loss of livelihood	There will be additional employment opportunities due to project. No displacement of people due to project as no additional land is proposed for project

10. Applicability of S.O 804(E) dated 14.3.2017 issued by MoE&F, GoI, as compliance report of the regional office the MoE&F, GoI Bangalore was issued based on inspection on 4.10.2013

We are manufacturing only consented products with consented capacities. We are not manufacturing any un consented products. Hence there is no violation and S.O 804(E) is not applicable to us.

11. JUSTIFICATION OF PROJECT UNDER GO MS NO. 95 and GO MS No. 64

- The unit is Drug intermediates manufacturing unit
- This is an existing unit located in notified IDA
- Proposed ZLD system as per the GO MS NO. 64

Hence the proposal is in line with GO MS No. 64 of Government of Telangana

12. Applicability of OM dated 10.12.2014 of the MoEF & CC, GoI

The unit is located in Notified Industrial area IDA Kothur. Hence Public hearing is exempted as per OM dated 10.12.2014

13. Implementation of disaster management plan and safety measures in the existing project and proposed expansion

Disaster management plan and safety measures are submitted along with EMP report.

14. Greenbelt development.

Corey organics Private limited is in an area of 10.98 Acres out of which 3.73 Acres (34.0%) is proposed for green belt development and the Budget for greenbelt development is Rs. 15 Lakhs over a period of 5 years.

Recommendation

Based on the above observations, the EC maybe granted.

The proponent vide lr.dt. 08.09.2020 informed that both companies of M/s. Corey Organics Pvt. Ltd., & M/s. Chavadi Pharma Pvt. Ltd., located in IDA Kothur, RR District have same Management and submitted affidavit on common Mangament.

The SEAC noted that the units of M/s. Chavadi Pharma Pvt. Ltd., & M/s. Corey Organics Pvt. Ltd., located in IDA Kothur, RR District are located adjacent to each other and as they belong to same Management, it is proposed to treat the effluents generated from both the units in M/s. Corey Organics Pvt. Ltd.

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

Agenda Item No.51	"Meenakshi Technova" by M/s. Meenakshi Infrastructures Pvt Ltd, Survey Nos. 119, 128/AA, 129, 116 and 117, Nanakramguda, Serilingampally, Ranga Reddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/140144/2020 (EC)

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, EMP measures being implemented, adequacy of environmental measures proposed by the proponent, impacts of the project on the surrounding environment, etc.,

The Sub-Committee constituted by the SEAC inspected the site on 20.06.2020 and submitted the report. The following observations were made by the sub-committee members:

Present status.

- Block A construction is completed and fully operational.
- At Proposed Block B site construction work has not been started.
- The site is free from any vegetation.

Minutes of the SEAC Meeting held on 10.09.2020

- Certain clarifications were sought from MOEF regarding the compliance of conditions imposed
- The chronological events and the replies given by the proponent to MOEF are annexed.
- No adverse impact is envisaged on the surrounding environment due to the project.
- Environment clearance may be given subject to complying with the conditions submitted to SEAC.

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

Agenda Item No. 52	M/s. APR Projects, Sy Nos. 170, 173, 174/AA, 176/PART, 177/A/PART, 238/PART, 238/A2/PART, 239/PART and 240/PART, Patancheru, Sangareddy District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/MIS/139685/2020 (EC)

Earlier, the SEAC in its meeting held on 19.02.2020 constituted a sub-committee to inspect the site, verify documents and submit report on present status of the project, storm water drainage, impacts of the proposed project on Nala (Nakkavagu) & surrounding environment, etc.,

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

Present status of the project:

Construction has not started. Images showing present status of the project is enclosed. The proponent obtained approval from irrigation department and accordingly prepared the plan and area statement. Nakkawagu nala is passing on south side boundary of site. The nala adjoining survey nos. are 239 (P), 173, 238 (P).

The proposed site affected in buffer of 9m wide buffer zone of nala passing towards south side boundary of site to an extent of – 14.89 guntas (1506.44 Sqm) as per the location sketch approved by Tehsildar Patanchervu.

The proponent proposed to provide 9.17m (1533.2 m²) buffer for the nala adjoining these survey nos. are 239 (P), 173, 238 (P). The project is observed to have followed the guidelines as mentioned in GO 168. Extract of GO 168 related to restriction of water bodies is as follows;

Restriction of building activity in the vicinity of certain areas:

(a) Water Bodies

- (i) No building / development activity shall be allowed in the bed of water bodies like river or nala and in the Full Tank Level (FTL) of any lake, pond, cheruvu or kunta / shikam lands.*

Unless and otherwise stated, the area and the Full Tank Level (FTL) of a Lake / Kunta shall be reckoned as measured and as certified by the Irrigation Department and Revenue Department.

- (ii) The above water bodies and courses shall be maintained as Recreational/Green Buffer Zone and no building activity shall be carried out within:*

- (1) 100m from the boundary of the River outside the Municipal Corporation / Municipality / Nagara Panchayat limits and 50m with in the Municipal Corporation / Municipality / Nagara Panchayat limits. The boundary of the river shall be as fixed and certified by the Irrigation Department and Revenue Department.*

- (2) 30m from the FTL boundary of Lakes / Tanks / Kuntas of area 10Ha and above.*

- (3) 9m from the FTL boundary of Lakes / Tanks / Kuntas of area less than 10Ha / shikam lands;*

Minutes of the SEAC Meeting held on 10.09.2020

(4) 9m from the defined boundary of Canal, Vagu, Nala, Storm Water Drain of width more than 10m.

(5) 2m from the defined boundary of Canal, Vagu, Nala, Storm Water Drain of width up to 10m.

(iii) Unless and otherwise specified in the Master Plan / Zonal Development Plan.

(1) In case of (ii) (1) & (2) above, the buffer zone may be utilised for road of minimum 12m width, wherever feasible.

(2) In case of (ii) (2) above, in addition to development of recreational / green belt along the foreshores, a ring road or promenade of minimum 12m may be developed, wherever feasible.

(3) The above buffer zone to be left may be reckoned as part of tot lot or organized open space and not for setback requirements.

Irrigation department has identified and the site is affected in buffer of 9m wide buffer zone of nala passing towards south side boundary of site to an extent of - 14.89 guntas (1506.44 Sqm) as per the location sketch approved by Tehsildar.

It is recommended to leave an additional 2mt buffer along the nala stretch affected in the buffer area, and 2mt for green belt all along the project site, and adhering to all other EMP measures.

EC may be issued.

The SEAC noted that the proponent submitted a copy of lr.dt.03.09.2019 of Tehsildar, Patancheru (M), Sangareddy District addressed to the EE, North Tanks Division, I&CAD Dept., It was reported in the letter that the Nala is passing adjacent to site. The existing width of nala is varying from 38 mts & 56.17 mts adjoining the site. The applicant site is not getting affected in nala portion, but the applicant land gets affected under buffer zone of 9 mts width, as per G.O.Ms.No.168, dt. 07.04.2012.

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. 53	M/s. Esskay Laboratories, Plot No. 6, Sy. No. 460, Nancherla Industrial Park, Nancherla (V), Gandeed (M), Mahbubnagar District - Environmental Clearance - Reg.
Proposal No.	SIA/TG/IND2/172243/2020 (EC)

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

It is noted that the proponent has an Paint Formulation Unit in the site and submitted a copy of CFE order dt.13.09.2017 issued by the TSPCB for manufacture of Flame Retardant Paints, Coatings, Varnish & Primers. The proponent also submitted a copy of CFO order dt.05.11.2019 issued by the TSPCB, which is valid upto 30.09.2020. Now, the proponent acquired additional area and proposed establishment of Bulk Drugs & Intermediate manufacturing unit within the premises.

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

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

Total area is 9,474.0 Sq.m, out of which Green area is 3,126.4 Sq.m (33%).

Nearest human habitation is Deshaipally(V) @ 0.7km; Nearest water body is Deshaipally pond@ 0.6km; Nearest RF is Kondapuram RF @ 2.1 km from the industry.

Minutes of the SEAC Meeting held on 10.09.2020

Project Cost for proposed project is Rs. 5.15 Crores. Budget for Environmental protection towards Capital Cost is Rs. 66.0 Lakhs and Recurring Cost is Rs. 10.8 Lakhs/annum. Budget for CER is Rs. 10.3 lakhs in first 5 years.

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

Products:

S.No.	Name of Product	Capacity	
		Kg/day	TPM
1	4,7-Dichloro Quinoline	140	4.2
2	Ethyl-4-(2-hydroxy-2-propyl)-2-propyl-1H-imidazole-5-carboxylate	120	3.6
3	4-Chloromethyl-5-methyl-1,3-dioxol-2-one	360	10.8
4	Ethyl 2-(2-aminothiazol-4-yl)-2-hydroxyiminoacetate	345	10.35
	Total	965	28.95

Details of Utilities, Stacks & Air pollution control equipments:

S.No.	Utility	Stack Height (mt)	APCE
1	2 TPH Coal fired Boiler	30 m	Bag filter
2	125 kVA DG Set	Adequate height	Acoustic enclosure

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

Details of Water requirement:

S. No.	Water required for	Fresh (KLD)	Recycled (KLD)	Total (KLD)
1	Process	7.0	9.5	16.5
2	Washings	1.0	--	1.0
3	Biotech R&D	0.5	--	0.5
4	Scrubber	--	0.5	0.5
5	Boiler Feed	--	2.0	2.0
6	Cooling Tower	--	0.5	0.5
7	RO/DM Rejects	--	1.0	1.0
8	Domestic	1.5	--	1.5
9	Gardening	2.0	--	2.0
	Total	12.0	13.5	25.5

Details of Effluent generation, treatment & disposal:

S. No.	Effluent generated from	HTDS (KLD)	LTDS (KLD)	Total (KLD)	Treatment & Disposal
1	Process	21.7	--	21.7	Zero Liquid Discharge System i.e., HTDS: Stripper, MEE & ATFD. LTDS: Biological ETP & RO.
2	Washings	1.0	--	1.0	
3	Biotech and R&D Lab	--	0.3	0.3	
4	Boiler blow down	--	2.0	2.0	
5	Scrubber	0.5	--	0.5	Treated effluent to be reused in cooling towers, Boiler make-up and Scrubbers.
6	RO/DM Plant Rejects	1.0	--	1.0	
7	Domestic	--	1.0	1.0	
Total :		24.2	3.3	27.5	

Details of Solid Waste:

S.No.	Description	Quantity	Mode of Disposal
1	Process Organic residue	0.94 TPD	Sent to cement plants for co-incineration/TSDF
2	Distillation bottom residue	200kg/day	
3	Evaporation Salts	4.5TPD	Sent to TSDF
4	ETP Sludge	20 kg/day	
5	Boiler Ash	2.0 TPD	Sent to brick manufacturers
6	Hazardous used containters: Polybags, Liners, Fiber Boards, MS/ HDPE Drums, Filter Bags.	200 No. s/ month	Disposed to TSPCB Authorized agencies after complete detoxification
7	Spent Solvents	9.6 TPD	Recovered within plant premises and reused
8	Waste oils & Grease	10 L/year	Sent to authorized agencies
9	Domestic waste	10 kg/day	Sent to scrap vendors

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

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

Members of Sub-Committee:

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


CHAIRMAN, SEAC

