सत्यमेव जयते

File No: SEIAA 28 IND 2024

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority(SEIAA), KARNATAKA)

****

Date **04/02/2026**

To,

Sri. Alluri Srinivasa Raju
M/S. SAI LIFE SCIENCES LIMITED
#L4-01 & 02 , SLN Terminus, Survey No. 133, Gachibowli Miyapur Road, Gachibowli, Hyderabad , RANGA REDDY, TELANGANA, , 500032
ravisankar.g@sailife.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/KA/IND3/551320/2025 dated 11/12/2025 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25B2405KA5390105N
(ii) File No.	SEIAA 28 IND 2024
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	5(f) Synthetic organic chemicals industry
(vii) Name of Project	Modification and Expansion of Active Pharmaceutical Ingredients (APIs), Intermediates, R&D products and Custom Synthesis Manufacturing Unit
(viii) Name of Company/Organization	M/S. SAI LIFE SCIENCES LIMITED
(ix) Location of Project (District, State)	BIDAR, KARNATAKA
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

Plot/Survey Khasra Nos.:

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A, B and C)/ EIA & EMP Reports were submitted to the SEIAA for an appraisal by the SEIAA under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by SEIAA in the meeting held on 26/08/2025. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above or through the following web link click here.
5. The brief about configuration of products and byproducts as submitted by the Project Proponent in orm-1 (Part A, B and C)/ EIA & EMP Reports / presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on , based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and public hearing issues and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to compliance of Specific and Standard EC conditions as given in this letter.
7. The SEIAA has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the State Environment Impact AssessmentAuthority(SEIAA) Appraisal Committee hereby accords Environment Clearance to the instant proposal of M/s. Alluri Srinivasa Raju under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (1)
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. The Project Proponent is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC
11. Validity of EC becomes perpetual subject to the start of production operations by the project or activity on or before the In case the project proponent fails to start the production operations within the EC validity date, application for EC validity extension shall be submitted to the regulatory authority as per the provision contained in the Para 9.0 of EIA notification, 2006 and its amendment.
12. General Instructions:

    (a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
    (b) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
    (c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.
    (d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during perational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
    (e) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
    (f) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
    (g) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

13. This issues with the approval of the Competent Authority

Copy To

1. The Secretary, Ministry of Environment, Forests and Climate Change, Indira, Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi – 110 003,
2. The Member Secretary, Karnataka State Pollution Control Board, Bengaluru,
3. The APCCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, IV Floor, E & F wings, 17th Main Road, Koramangala II Block, Bengaluru –560 034,

Guard File,

Annexure 1

Specific EC Conditions for (Synthetic Organic Chemicals Industry)

1. 1

S. No	EC Conditions
1.1	1. The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. 1.Effluent generation shall not exceed 369 KLD. Effluent shall be treated in the ETP comprising primary, secondary and tertiary treatment namely RO and treated water shall be re-used in the scrubber. 2. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB. 3. The green belt has been developed in 36,257.89Sqm(33.54%) with 1898 nos of additional trees along with existing 7166 nos shall be grown and maintained along the plant periphery. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP shall annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year. 4. A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions by engaging Environment Officials. In addition to this, one safety & health officer as per the qualification given in Factories Act, 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year. 5. The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the SEAC/SEIAA. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

S. No	EC Conditions
	6. All the hazardous waste shall be managed and disposed as per the HWM Rules 2016. Hazardous waste such as ETP sludge shall be either sent to TSDF. Spent catalyst shall be sent to Authorized recyclers. Municipal solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Biodegradable wet waste shall be converted into compost and used as manure for greenbelt development. 7. The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard. 8. The project proponent shall comply with the environment norms for 'synthetic organic chemicals' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21st July, 2010 under the provisions of the Environment (Protection) Rules, 1986. 9. All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The occupier of new as well as expansion projects shall be required to comply with the provisions of the MSHIC Rules, 1989 including notifying their activities or seeking site approval from the concerned authorities, to address operational safety aspects. In doing so, various schedule, particularly Schedule-5 of the said rules may be referred. 10. The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out. 11. The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report. 12. The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection. 13. Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies. 14. The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water. 15. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places. 16. Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Chemicals shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment. 17. PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority. 18. The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in

S. No	EC Conditions
	letter and spirit. 19. Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents. 20. PP shall plant five rows of plantation in the proposed area. 21. PP shall obtain permission from KGWA/CGWA before extracting the ground water. 22. PP shall install Online Continuous Monitoring Systems used for monitoring Volatile Organic Compounds. **Action:** **Member Secretary, SEAC to forward the proposal to SEIAA for further necessary action.**

Annexure 2

Details of the Project

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th></tr>
<tr><td>a.</td><td>Details of the Project</td><td>Modification and Expansion of Active Pharmaceutical Ingredients (APIs), Intermediates, R&D products and Custom Synthesis Manufacturing Unit</td></tr>
<tr><td>b.</td><td>Latitude and Longitude of the project site</td><td>17.90652343361455,77.46072954414267
17.91002616087191,77.46576917717803</td></tr>
<tr><td>c.</td><td>Land Requirement (in Ha) of the project or activity</td><td><table><tr><th>Nature of Land involved</th><th>Area in Ha</th></tr><tr><td>Non-Forest Land (A)</td><td>7.5</td></tr><tr><td>Forest Land (B)</td><td>0</td></tr><tr><td>Total Land (A+B)</td><td>7.5</td></tr></table></td></tr>
<tr><td>d.</td><td>Date of Public Consultation</td><td>Public consultation for the project was held on</td></tr>
<tr><td>e.</td><td>Rehabilitation and Resettlement (R&R) involvement</td><td>NO</td></tr>
<tr><td>f.</td><td>Project Cost (in lacs)</td><td>59131</td></tr>
<tr><td>g.</td><td>EMP Cost (in lacs)</td><td>1659</td></tr>
<tr><td>h.</td><td>Employment Details</td><td></td></tr>
</table>

Details of Products & By-products

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Benzidine Triol (B Triol)	Product	0.15	0.35	0.5	Tons per Annum (TPA)	Road
Rapastinel	Product	5	-5	0	Tons per Annum (TPA)	Road
Palbo Intermediate-1	Product	1	-1	0	Tons per Annum (TPA)	Road
T Diol	Product	1	-1	0	Tons per Annum (TPA)	Road
Idorsia-ACT 374274	Product	0	12	12	Tons per Annum (TPA)	Road
Palbo Intermediate-2	Product	1	-1	0	Tons per Annum (TPA)	Road
S-L compound	Product	0	25	25	Tons per Annum (TPA)	Road
MLS-101	Product	0	20	20	Tons per Annum (TPA)	Road
CF3 Ketone	Product	0	50	50	Tons per Annum (TPA)	Road
Molidustat	Product	0	2	2	Tons per Annum (TPA)	Road
Methoxy Nitroldehyde	Product	0	12	12	Tons per Annum (TPA)	Road
Encorafenib (M2e)	Product	0	2	2	Tons per Annum (TPA)	Road
SNF-E4	Product	0	3	3	Tons per Annum (TPA)	Road
Methyl proline	Product	0	15	15	Tons per Annum (TPA)	Road
Nirogacestat API	Product	0	5	5	Tons per Annum (TPA)	Road
BB2	Product	0	1	1	Tons per Annum (TPA)	Road
BCX-6494	Product	0	2.5	2.5	Tons per Annum (TPA)	Road
BCX-7611	Product	0	2.5	2.5	Tons per Annum (TPA)	Road
CPA	Product	0	2.5	2.5	Tons per Annum (TPA)	Road
DCA-129	Product	0	1.5	1.5	Tons per Annum (TPA)	Road
NBT (Quizatinib RSM)	Product	0	1.5	1.5	Tons per Annum (TPA)	Road
CEM (Quizartinib RSM)	Product	0	1.5	1.5	Tons per Annum (TPA)	Road
NPTA HCl	Product	0	2	2	Tons per Annum (TPA)	Road

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Clazocentan	Product	0	2	2	Tons per Annum (TPA)	Road
Acoltremon (AR-15512)	Product	0	1	1	Tons per Annum (TPA)	Road
6-Iodoindazole	Product	0	1	1	Tons per Annum (TPA)	Road
OH-THF	Product	0	70	70	Tons per Annum (TPA)	Road
BAY – 1142524	Product	1	-1	0	Tons per Annum (TPA)	Road
Bilastine API	Product	30	5	35	Tons per Annum (TPA)	Road
BCX-2477	Product	0.3	0.2	0.5	Tons per Annum (TPA)	Road
Dapsone	Product	3	2	5	Tons per Annum (TPA)	Road
DFQ	Product	10	-8	2	Tons per Annum (TPA)	Road
BOC – Ketone	Product	3	12	15	Tons per Annum (TPA)	Road
R&D Products	Product	30	0	30	Tons per Annum (TPA)	Conveyor System
GSK - DCHU (1,3-dicyclohexylurea Stage-A)	Product	2	1	3	Tons per Annum (TPA)	Road
GSK-807	Product	20	0	20	Tons per Annum (TPA)	Road
GSK-898	Product	15	0	15	Tons per Annum (TPA)	Road
Imepitoin	Product	35	-32	3	Tons per Annum (TPA)	Road
Tosylate Stage E	Product	5	15	20	Tons per Annum (TPA)	Road
ACT - 674509 B	Product	4	4	8	Tons per Annum (TPA)	Road
NBI – 77810	Product	45	-43	2	Tons per Annum (TPA)	Road
Ribavirin	Product	1.2	-1.2	0	Tons per Annum (TPA)	Road
Doxercalciferol	Product	0.001	-0.001	0	Tons per Annum (TPA)	Road
Isoproterenol	Product	0.006	-0.006	0	Tons per Annum (TPA)	Road
Compound 2- ASTEX	Product	1	-1	0	Tons per Annum (TPA)	Road

No. SEIAA 28 IND 2024

To,

Mr. Alluri Srinivasa Raju,
Director of Corporate Affairs
M/s. Sai Life Sciences Limited
Plot No.DS-7, IKP knowledge Park,
Shameerpet, Turkapally,
Hyderabad, Telangana,
India—500078

Sir,

Sub: Modification and Expansion of Active Pharmaceutical Ingredients (APIs), Intermediates, R&D products and custom synthesis Manufacturing unit at Plot no. 78C, 79A, 79B, 80A, 80B, 81A, 82, 130A, 133-P1, 134-P1 Kolhar Industrial area, and Sy. No. 280 of Chidri Village, Bidar Taluk& District of Karnataka by M/s. Sai Life Sciences Limited - issue of Environmental Clearance Reg.

* * * *

This has reference to your online application dated 08.10.2024 bearing proposal No. SIA/KA/IND3/499264/2024 & amendment to ToR application bearing proposal No. SIA/KA/IND3/542307/2025 dated & 25.06.2025 and EIA Proposal No. SIA/KA/IND3/551320/2025 dated 13.10.2025 addressed to SEIAA, Karnataka and subsequent letters addressed to SEIAA/SEAC Karnataka furnishing further information seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per the procedure prescribed in the provisions of the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the CAF, Form 1, EIA Report and the additional clarifications furnished in response to the observations of the SEAC, Karnataka.

2. The project proposal has been considered by SEAC during the meeting held on 4th & 5th December 2024 and recommended to SEIAA for issue of standard ToRs. The Authority during the meeting held on 10th January 2025 decided to issue ToR as recommended by SEAC for conducting Environment Impact Assessment Study in accordance with EIA Notification, 2006. Accordingly, the ToR was issued on 30.01.2025 vide TOR Identification No. TO24B2405KA5608313N and Amendment to ToR issued on 11.09.2025. The EIA has been conducted by AM Enviro Engineers, #90/1, 2nd Floor, Pasha's South Square Building, Rathanavilas Road, Basavanagudi Bengaluru - 560 001, who have been accredited from NABET vide certificate No: NABET/EIA/23-26/RA 0306 (Rev.02). The Environmental Impact Assessment report has been submitted on 13.10.2025. The SEAC has recommended the parameters as Annexure -1 for issue of Environmental Clearance in their meeting held on 30th & 31st December 2025 and 1st January 2026.

3. The SEIAA Karnataka in its meeting held on 27th January 2026 after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations and has accepted the recommendation of SEAC and has decided to accord Environmental Clearance in accordance with the provisions of Environmental Impact Assessment Notification-2006 and its subsequent amendments, subject to strict compliance of the following terms and conditions: -

I. Statutory compliance

i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.

ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (Incase of the presence of schedule-1 species in the study area)

iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.

v. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

vi. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

II. Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.

iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.

iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.

vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with

III. Water quality monitoring and preservation

i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)

ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).

iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.

iv. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.

vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

vii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant

regulations and the guidelines in this regard.

IV. Noise monitoring and prevention

i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.

ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.

iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

i. The energy sources for lighting purposes shall preferably be LED based.

VI. Waste management

i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.

ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.

iii. The company shall undertake waste minimization measures as below: -
   a. Metering and control of quantities of active ingredients to minimize waste.
   b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
   c. Use of automated filling to minimize spillage.
   d. Use of Close Feed system into batch reactors.
   e. Venting equipment through vapour recovery system.
   f. Use of high pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt

i. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

VII. Safety, Public hearing and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented

ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.

iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

v. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

IX. Corporate Environment Responsibility

i. The Project Proponent shall comply with provision contained in OM vide F.No. 22-65/2017-IA.III Dated 20th October 2020, of the Ministry of Environment, Forest and Climate Change as applicable, regarding Corporate Environment Responsibility and shall execute the action plan of Construction of Ground water recharge pits in the nearby villages, Free Health Checkup Camp for tribal and rural population, Providing RO water facilities in the nearby villages, Smart Classroom and Drinking Water Facilities in the nearby school, Avenue plantation in the nearby villages, Providing Solar Panels in Kolar Government Primary School, and Funding to Karnataka Forest Wildlife & Climate Change Foundation as submitted in Parivesh Portal. Compliance in this regard shall be submitted to SEIAA while furnishing the Half Year Compliance reports.

ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholder's / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

v. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

vi. Half Yearly Compliances Reports (HYCRs) on the Environmental Conditions stipulated in the Environmental Clearance (EC) letter shall be submitted strictly through the dedicated module of PARIVESH 2.0 in the timely manner on or before 1st June and 1st December of Each calendar year as per MoEF&CC O M dated 14.06.2024. The HYCRs with its contents of a covering letter, compliance reports, and environmental monitoring data has to be in PDF format merged into a single document. The email should clearly mention the name of project, EC No. & date, period of submission and to be sent to the Regional Office of MOEF&CC by email only at email ID rosz.bng-mefcc@gov.in. Hard copy of HYCRs shall not be acceptable.

vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under

the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

x. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

xi. No further expansion or modifications in the plant shall be carried out without prior approval of this Authority or the Ministry of Environment, Forests and Climate Change (MoEF&CC).

xii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xiii. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xiv. The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

xv. The Regional Office of MoEF&CC shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

xvi. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

xviii. In case of any material supported by documents/ court orders which is contrary to the claim of the applicant and material facts produced, the SEIAA reserves the right to withdraw the EC at any point of time.

Additional Conditions:

1. The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be

implemented.

Effluent generation shall not exceed 369 KLD. Effluent shall be treated in the ETP comprising primary, secondary and tertiary treatment namely RO and treated water shall be re-used in the cooling tower.

2. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.
3. The green belt has been developed in 36,257.89 Sqm(33.54%) with 2280 nos of additional trees along with existing 7166 nos shall be grown and maintained along the plant periphery. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP shall annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.
4. A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions by engaging Environment Officials. In addition to this, one safety & health officer as per the qualification given in Factories Act, 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
5. The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the SEAC/SEIAA. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
6. All the hazardous waste shall be managed and disposed as per the HWM Rules 2016. Hazardous waste such as ETP sludge shall be either sent to TSDF. Spent catalyst shall be sent to Authorized recyclers. Municipal solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Biodegradable wet waste shall be converted into compost and used as manure for greenbelt development.
7. The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.

8. The project proponent shall comply with the environment norms for 'synthetic organic chemicals' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21st July, 2010 under the provisions of the Environment (Protection) Rules, 1986.
9. All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The occupier of new as well as expansion projects shall be required to comply with the provisions of the MSHIC Rules, 1989 including notifying their activities or seeking site approval from the concerned authorities, to address operational safety aspects. In doing so, various schedule, particularly Schedule-5 of the said rules may be referred.
10. The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.
11. The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
12. The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
13. Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
14. The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
15. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places.
16. Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Chemicals shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.
17. PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in

order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

18. Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents.
19. PP shall plant five rows of plantation in the proposed area.
20. PP shall obtain permission from KGWA/CGWA before extracting the ground water.
21. PP shall install Online Continuous Monitoring Systems used for monitoring Volatile Organic Compounds.

Yours faithfully,

(Srinivasulu)
Member Secretary,
SEIAA, Karnataka.

Copy to:

1) The Secretary, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi- 110 003.
2) The Member Secretary, Karnataka State Pollution Control Board, Bangalore.
3) The APCCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, IV Floor, E & F wings, 17th Main Road, Koramangala II Block, Bangalore – 560 034.
4) Guard File

ANNEXURE – 1

Sl.	Particulars	Information Provided by PP
1.	New/ Expansion/ Modification/	Expansion EC has been issued by SEIAA vide letter No. SEIAA SEIAA 36 IND 2020 dated 28.08.2020
2.	Plot Area (Sqm)	1,08,148.37 Sqm
3.	Ground coverage area (Sqm)	Existing: 26,798 Sqm Proposed: 17,132.48 Sqm Total: 43,930.48 Sqm
4.	Component of developments	Modification And Expansion of Active Pharmaceutical Ingredients (APIs), Intermediates, R&D Products, And Custom Synthesis Manufacturing Unit
5.	Project cost (Rs. In crores)	Existing: 506.31Crores Proposed: 85 Crores Total: 591.31 Crores
6.	Details of Land Use (Sqm)	

a.	Ground Coverage Area	
b.	Kharab Land	
c.	Internal Roads	
d.	Paved area	
e.	Parking	
f.	Green belt	
g.	Others Specify	
h.	Total	

Sl. No.	Land Purpose	Area in Sqm			In %
		Existing	Proposed	Total	
1	Ground Coverage Area	26,798.00	17,132.48	43,930.48	40.62
2	Parking area	2,000.00	315.0	2,315	2.14
3	Driveway and paved	21,089.00	4,556.00	25,645.00	23.70
4	Greenery area	25,179.00	11,078.89	36,257.89	33.54
Total		**75,066.00**	**33,082.37**	**1,08,148.37**	**100**

7.	Products and By- Products with quantity (enclose as Annexure if necessary)	**(Enclose as Annexure-2)**
8.	Mode of transportation of Raw material and storage facility	The mode of transportation is through roads.
9.	Transportation and storage facility for coal / Bio-fuel in case of thermal power plant	Not Applicable
10.	Fly ash production, storage and disposal details whereas coal is used as fuel	Fly ash is collected from filter bags, mixed with coal ash (water is sprayed on coal ash) and kept aside for sending to brick Manufacturers.
11.	WATER	

	I.	Construction Phase	
	a.	Source of water	Borewell and KIADB
	b.	Quantity of water for Construction in KLD	10 KLD
	c.	Quantity of water for Domestic Purpose in KLD	3 KLD
	d.	Waste water generation in KLD	2.6 KLD
	e.	Treatment facility proposed and scheme of disposal	Treated in existing STP

<table>
<tr><th>Sl.</th><th colspan="2">Particulars</th><th>Information Provided by PP</th></tr>
<tr><td></td><td></td><td>of treated water</td><td></td></tr>
<tr><td></td><td>II</td><td>Operational Phase</td><td></td></tr>
<tr><td></td><td>a.</td><td>Source of water</td><td>Borewell and KIADB</td></tr>
<tr><td></td><td>b.</td><td>Total Requirement of Water in KLD</td><td>Existing - 540.0KLD
Proposed –469.0KLD
Total –1,009.0KLD</td></tr>
<tr><td></td><td>c.</td><td>Requirement of water for industrial purpose / production in KLD</td><td>Existing –495 KLD
Proposed – 455 KLD
Total –950KLD</td></tr>
<tr><td></td><td>d.</td><td>Requirement of water for domestic purpose in KLD</td><td>Existing:45 KLD
Proposed: 14 KLD
Total: 59 KLD</td></tr>
<tr><td></td><td>e.</td><td>Waste water generation in KLD</td><td>Existing –215 KLD
Proposed– 154 KLD
Total –369 KLD</td></tr>
<tr><td></td><td>f.</td><td>ETP/ STP capacity</td><td></td></tr>
<tr><td></td><td colspan="3">
<table>
<tr><th>S. No</th><th>Treatment Facility</th><th>Existing</th><th>Proposed</th><th>After Proposed Expansion</th><th>Remarks</th></tr>
<tr><td>1.</td><td>MEE & Stripper</td><td>125 KLD and 75 KLD</td><td>150 KLD</td><td>125 KLD, 150 KLD</td><td>Existing 75 KLD MEE and Stripper will be dismantled and 150 KLD will be installed.</td></tr>
<tr><td>2.</td><td>ATFD</td><td>20 KLD and 10 KLD</td><td>20 KLD</td><td>2 x 20 KLD and 10 KLD</td><td></td></tr>
<tr><td>3.</td><td>ETP & biological ETP</td><td>250 KLD</td><td>250 KLD</td><td>500 KLD</td><td></td></tr>
<tr><td>4.</td><td>Primary RO</td><td>250 KLD</td><td>250 KLD</td><td>2 x 250 KLD</td><td></td></tr>
<tr><td>5.</td><td>Secondary RO</td><td>50 KLD</td><td>100 KLD</td><td>50 KLD and 100 KLD</td><td></td></tr>
<tr><td>6</td><td>Domestic STP</td><td>45 KLD</td><td>15 KLD</td><td>60 KLD</td><td></td></tr>
</table>
Note:
The high TDS effluent of 24 KLD and low TDS effluent of 23 KLD generated from the Unit VI of M/s. Sai Life Sciences Limited in Kolhar Industrial Area is treated in the existing MEE of 125 KLD & 75 KLD and existing BTP of 250 KLD
</td></tr>
<tr><td></td><td>g.</td><td>Technology employed for Treatment</td><td>ETP & biological ETP- Activated Sludge Process + Membrane Bioreactor
STP – Sequence Batch Reactor</td></tr>
<tr><td></td><td>h.</td><td>Scheme of disposal of excess treated water if any</td><td>ZLD treated water is being recycled for cooling tower.
STP treated water is being used for gardening.</td></tr>
<tr><td>12.</td><td colspan="2">Infrastructure for Rain water harvesting</td><td>Rainwater harvesting tank of capacity 650 KL existing at the project site. Two rainwater harvesting tank of capacity 25 cum each proposed for rooftop rainwater collection from the additional area.</td></tr>
</table>

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<tr><th>Sl.</th><th colspan="2">Particulars</th><th>Information Provided by PP</th></tr>
<tr><td>13.</td><td colspan="2">Storm water management plan</td><td>Runoff from Roads, Open area & Paved Area will let into storm water drain provided within the industry. Storm water drains will be constructed in proposed area.</td></tr>
<tr><td>14.</td><td colspan="2">Air Pollution</td><td></td></tr>
<tr><td></td><td>a.</td><td>Sources of Air pollution</td><td>
<table>
<tr><th>Sl. No.</th><th>Source of air Pollution</th><th>Type of Fuel</th></tr>
<tr><td colspan="3">Existing</td></tr>
<tr><td>1.</td><td>1 x Boiler – 10 TPH</td><td>Briquette /Coal</td></tr>
<tr><td>2.</td><td>1 x Boiler – 2 TPH</td><td>Diesel</td></tr>
<tr><td>3.</td><td>1 x Boiler – 5 TPH</td><td>Coal/ Briquette /Coal</td></tr>
<tr><td>4.</td><td>1 x DG Set -750 KVA</td><td>Diesel</td></tr>
<tr><td>5.</td><td>2 x DG Set - 500 KVA (1 x 500 KVA DG sets will be removed)</td><td>Diesel</td></tr>
<tr><td>6.</td><td>4 x DG Set -1010 KVA (2 x 1010 KVA DG sets will be removed)</td><td>Diesel</td></tr>
<tr><td>7.</td><td>1 x DG Set -2250 KVA</td><td>Diesel</td></tr>
<tr><td>8.</td><td>2 x Thermic Fluid Heater 1 L K.Cal/h</td><td>Diesel</td></tr>
<tr><td>9.</td><td>Process section</td><td>-</td></tr>
<tr><td>10.</td><td>Diesel Fired Pumps for Fire Hydrant Systems 2 X 1 (133 HP)</td><td>Diesel</td></tr>
<tr><td colspan="3">Proposed</td></tr>
<tr><td>11.</td><td>1 x Boiler – 20 TPH</td><td>Briquette /Coal</td></tr>
<tr><td>12.</td><td>DG Set 1500 KVA - 1</td><td>Diesel</td></tr>
<tr><td>13.</td><td>DG Set 1500 KVA - 2</td><td>Diesel</td></tr>
<tr><td>14.</td><td>DG Set 1500 KVA - 3</td><td>Diesel</td></tr>
<tr><td>15.</td><td>DG Set 1500 KVA - 4</td><td>Diesel</td></tr>
<tr><td>16.</td><td>DG Set 2250 KVA - 1</td><td>Diesel</td></tr>
<tr><td>17.</td><td>DG Set 2250 KVA -2</td><td>Diesel</td></tr>
<tr><td>18.</td><td>DG Set 2250 KVA -3</td><td>Diesel</td></tr>
<tr><td>19.</td><td>2 x Thermic Fluid Heater 2 L K.Cal/h</td><td>Diesel</td></tr>
<tr><td>20.</td><td>Process section – Production block (3 nos)</td><td>-</td></tr>
<tr><td>21.</td><td>Diesel Fired Pumps for Fire Hydrant Systems 3 X 1 (133 HP)</td><td>Diesel</td></tr>
</table>
</td></tr>
<tr><td></td><td>b.</td><td>Composition of Emissions</td><td>
<table>
<tr><th>Sl. No.</th><th>Source of air Pollution</th><th>Constituents to be controlled</th></tr>
<tr><td colspan="3">Existing</td></tr>
<tr><td>1.</td><td>1 x Boiler – 10 TPH</td><td>PM, SO_2, NO_x</td></tr>
<tr><td>2.</td><td>1 x Boiler – 2 TPH</td><td>PM, SO_2, NO_x</td></tr>
</table>
</td></tr>
</table>

Sl.	Particulars	Information Provided by PP

		3.	1 x Boiler – 5 TPH	PM, SO_2, NO_x
		4.	1 x DG Set -750 KVA	PM, SO_2, NO_x
		5.	2 x DG Set - 500 KVA (1 x 500 KVA DG sets will be removed)	PM, SO_2, NO_x
		6.	4 x DG Set -1010 KVA (2 x 1010 KVA DG sets will be removed)	PM, SO_2, NO_x
		7.	1 x DG Set -2250 KVA	PM, SO_2, NO_x
		8.	2 x Thermic Fluid Heater 1 L K.Cal/h	PM, SO_2, NO_x
		9.	Process section	Acid Mist
		10.	Diesel Fired Pumps for Fire Hydrant Systems 2 X 1 (133 HP)	SO_2, NO_x
		Proposed		
		11.	1 x Boiler – 20 TPH	PM, SO_2, NO_x
		12.	DG Set 1500 KVA - 1	PM, SO_2, NO_x
		13.	DG Set 1500 KVA - 2	PM, SO_2, NO_x
		14.	DG Set 1500 KVA - 3	PM, SO_2, NO_x
		15.	DG Set 1500 KVA - 4	PM, SO_2, NO_x
		16.	DG Set 2250 KVA - 1	PM, SO_2, NO_x
		17.	DG Set 2250 KVA -2	PM, SO_2, NO_x
		18.	DG Set 2250 KVA -3	PM, SO_2, NO_x
		19.	2 x Thermic Fluid Heater 2 L K.Cal/h	PM, SO_2, NO_x
		20.	Process section – Production block (3 nos)	Acid Mist
		21.	Diesel Fired Pumps for Fire Hydrant Systems 3 X 1 (133 HP)	SO_2, NO_x

		Sl. No.	Source of air Pollution	Chimney height (in m)	Constituents to be controlled	Air pollution control system
		Existing				
c.	Air pollution control measures proposed and technology employed		1x Boiler – 10 TPH	30m AGL	PM, SO2, NOx	Multi-Cyclone separator and Bag Filter
		2.	1x Boiler –2 TPH	30m AGL	PM, SO2, NOx	Multi-Cyclone separator and Bag Filter
		3.	1xBoiler-5TPH			
		4.	1 x DG Set - 750 KVA	12m ARL	PM, SO_2, NO_x	Acoustic Enclosures

Sl.	Particulars	Information Provided by PP				
		5.	2 x DG Set - 500 KVA (1 x 500 KVA DG sets will be removed)	12m ARL	12m ARL	Acoustic Enclosures
		6.	4 x DG Set - 1010 KVA (2 x 1010 KVA DG sets will be removed)	30m AGL	PM, SO_2, NO_x	Acoustic Enclosures
		7.	1 x DG Set- 2250 KVA	25m AGL	PM, SO_2, NO_x	Acoustic Enclosures
		8.	2 x Thermic Fluid Heater 1 L K.Cal/h	3 m ARL	PM, SO_2, NO_x	Chimney
		9.	Process section	3 m AGL	Acid Mist	Scrubbers (31 no's)
		10.	Diesel Fired Pumps for Fire Hydrant Systems 2 X 1 (133HP)	30 m AGL	SO_2, NO_x	-
		Proposed				
		11.	1 x Boiler – 20 TPH	30 m AGL	PM, SO_2, NO_x	Electrostatic Precipitator
		12.	DG Set 1500 KVA - 1	30 m AGL	PM, SO_2, NO_x	Acoustic Enclosures
		13.	DG Set 1500 KVA - 2	30 m AGL	PM, SO_2, NO_x	Acoustic Enclosures
		14.	DG Set 1500 KVA - 3	30 m AGL	PM, SO_2, NO_x	Acoustic Enclosures
		15.	DG Set 1500 KVA - 4	30 m AGL	PM, SO_2, NO_x	Acoustic Enclosures
		16.	DG Set 2250 KVA - 1	30 m AGL	PM, SO_2, NO_x	Acoustic Enclosures
		17.	DG Set 2250 KVA -2	30 m AGL	PM, SO_2, NO_x	Acoustic Enclosures
		18.	DG Set 2250 KVA -3	30 m AGL	PM, SO_2, NO_x	Acoustic Enclosures
		19.	2 x Thermic Fluid Heater 2 L K Cal/h	25 m AGL	PM, SO_2, NO_x	Chimney
		20.	Process	Individua	Acid Mist	Scrubbers (14

Sl.	Particulars		Information Provided by PP				
				section – Production block (3 nos)	1 stacks of 3 m ARL		no's)
			21.	Diesel Fired Pumps for Fire Hydrant Systems 3 X 1 (133 HP)	3 m AGL	SO_2, NO_x	-
15.	Noise Pollution						
	a.	Sources of Noise pollution	Operation of equipment/reactor/boilers, material handling, DG sets, Vehicles				
	b.	Expected levels of Noise pollution in dB	Below 75 dB (A)				
	c.	Noise pollution control measures proposed	DG sets with acoustic enclosures are provided. Greenbelt development in and around the plant area Personal protective equipment's (PPEs) such as earplugs and earmuffs to all workers Regular maintenance of vehicles will be ensured				
16.	WASTE MANAGEMENT						
	I.	Operational Phase					
	a.	Quantity of Solid waste generated per day and their disposal	Hazardous and Solid waste details are given below.				
	b.	Quantity of Hazardous Waste generation with source and mode of Disposal as per norms					
	c.	Quantity of E waste generation with source and mode of Disposal as per norms					

HAZARDOUS & SOLID WASTE DETAILS

Sl. No	Category of HW	Name of HW	HW Quantity			Disposal Method
			Existing	Proposed	Total	
Hazardous waste generation from plant						
1.	5.1	Waste oils & Grease/ Used Mineral oil	35.2	12.3	47.5	To Authorized Recycler
2.	5.2	Oil-Soaked Cotton	-	10	10	Co-processing/Pre-processing/ Incinerator
3.	20.1	Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse (Stripper distillate)	3,500	1,000	4,500	Co-processing in Cement Kiln/Incinerator

Sl.	Particulars		Information Provided by PP			
4.	20.3	Distillation Residue	-	150	150	Co-processing in Cement Kiln/Incinerator
5.	36.1	Any Process or Distillation Residue	70	70	140	Co-processing/Pre-processing/ Incinerator
6.	28.1	Process Residues & Waste	279.74	350.26	630	Co-processing/Pre-processing/ TSDF
7.	28.2	Spent Catalyst	5.26	15	20.26	Store in secured manner and hand over to authorized recyclers
8.	28.3	Spent Carbon	16.3	24.2	40.5	Co-processing in Cement Kiln/Incinerator
9.	28.4	Off Specification Products	8	15	23	Co-processing in Cement Kiln/Incinerator
10.	28.5	Date expired products	-	10	10	Co-processing in Cement Kiln/Incinerator
11.	28.6	Spent Solvents	7,000	13,300	20,300	Store in secured manner and hand over to authorized recyclers
12.	37.3	Chemical Sludge from waste water treatment (ATFD Salt)	1,434	1,650	3,084	Co-processing/Pre-processing/TSDF
13.	35.3	Chemical Sludge from waste water treatment (ETP sludge)	350	473	823	Co-processing/Pre-processing/TSDF
14.	33.1	Detoxified-Container & Container Liners of Hazardous Chemicals and Wastes	600	203.65	803.65	After complete detoxification, disposed to the KSPCB Authorized recyclers
15.	33.1	Liners	10	5	15	After complete detoxification, disposed to the KSPCB Authorized recyclers
16.	33.2	Contaminated cotton rags	-	5	5	Co-processing/Pre-

Sl.	Particulars		Information Provided by PP			
		or other cleaning materials				processing/ Incinerator
17.	35.2	Spent ion exchange resin	-	5	5	Sent to TSDF
18.	A1160	Used Lead Acid batteries	-	10	10	Returned back to dealer/ Supplier
19.	36.2	Spent Carbon/ Filter medium	165	306	471	Co-processing/Pre-processing/ Incinerator
17.	POWER					
	Power source - GESCOM/Solar Energy/Wind Energy					
	a.	Total Power Requirement in the Operational Phase with source	Existing: 8,040 kVA Proposed: 10,230 KVA **Total: 18,270 kVA**			
	b.	Numbers of DG set and capacity in KVA for Standby Power Supply	Existing: • 1 x 2250 kVA • 4 x1010 kVA • 1 x 750 kVA • 2 x 500 kVA Proposed: • 3x 2,250 KVA • 4 x 1500 KVA • Removal of –2 x 1010 kVA and 1 x 500 kVA Total: • 4 x 2,250 Kva • 4 x 1,500 KVA • 2 x 1,010 kVA • 1 x 750 kVA • 1 x 500 kVA			
	c.	Details of Fuel used with purpose such as boilers, DG, Furnace, TFH, Incinerator Set etc..,	Boiler – Briquette/Coal for 20 TPH Boiler and for standby boilers 5 TPH & 10 TPH (existing) Diesel – Standby 2 TPH Boiler (existing) DG sets – Diesel Thermic Fluid heater – Diesel Diesel Fired Pumps for Fire Hydrant Systems – Diesel			
	d.	Energy conservation plan and Percentage of savings including plan for utilization of solar energy as per ECBC 2007	80% of the power from the renewable energy used by the industry			
18.	PARKING					
	a.	Parking Requirement as per norms	Parking required – Car parking – 120 Truck Parking - 18 Parking Provided – Car parking – 130 Truck Parking - 20			

Sl.	Particulars	Information Provided by PP
	b. Internal Road width (RoW)	Internal roads –6 to 9m
19.	EMP	Capital Cost proposed: ₹1,659 Lakhs Recurring Cost proposed: ₹284.95 Lakhs/Year

20.

S. No.	Description	Amount in lakhs					
		Existing		Proposed		Total	
		Investment cost	Maintenance cost	Investment cost	Maintenance cost	Investment cost	Maintenance cost
1.	Pollution Control equipment such as Bag Filters, multi-cyclone separators, Dust collection silos, acoustic enclosure, etc.	150.0	10.0	30.0	5.0	180.0	15.0
2.	Cost of upgrading RO, MEE, ATFD, ETP and STP capacity	2,000.0	600	950	200	2,950	800.0
3.	Environmental Monitoring Plan	60.0	5.0	15.0	10.65	75	15.65
4.	Noise Pollution Control	8.0	1.0	100.0	10.0	108.0	11.0
5.	Green Belt Development	20.0	1.0	12.0	3.0	32.0	4.0
6.	Solid waste Management	160.0	120	25.0	5.0	185.0	125.0
7.	Occupational health and safety	100.0	50.0	250.0	25	350.0	75.0
8.	Storm water drains and fire management	46.0	5.0	37.0	10.0	83.0	15.0
9.	Rainwater Harvesting system	30.0	6	155.0	16.0	185.0	22.0
10.	Corporate Environmental Responsibility	130.0	-	85.0	-	215.0	-
11.	Environment management Cell	100.0	5.0	-	-	100.0	5.0
	TOTAL	**2,804.0**	**803.0**	**1,659.0**	**284.65**	**4,463**	**1,087.65**

21.	Employment details	Existing – 1000 Proposed – 300 Total - 1300
22.	Number of Trees	Existing – 7,166 Proposed – 2,280
23.	Project cost (Rs. In crores)	Existing: 506.31Crores Proposed: 85 Crores Total: 591.31 Crores

ANNEXURE – 2

THE LIST OF EXISTING & PROPOSED PRODUCTS WITH CAPACITIES

S.No	Products	Existing Quantity TPA	Proposed Quantity TPA	Total Quantity after Proposed Expansion TPA	Remarks
1.	Benzidine Triol (B Triol)	0.15	0.35	0.5	Quantity increased
2.	Bilastine API	30	5	35	Quantity increased
3.	BCX-2477	0.3	0.2	0.5	Quantity increased
4.	Dapsone	3	2	5	Quantity increased
5.	DFQ	10	-8	2	Quantity decreased
6.	BOC – Ketone	3	12	15	Quantity increased
7.	R&D Products	30	-	30	No change
8.	GSK - DCHU (1,3-dicyclohexylurea Stage-A)	2	1	3	Quantity increased
9.	GSK-807	20	-	20	No Change
10.	GSK-898	15	-	15	No Change
11.	Imepitoin	35	-32	3	Quantity decreased
12.	Tosylate Stage E	5	15	20	Quantity increased
13.	ACT - 674509 B	4	4	8	Quantity increased
14.	NBI – 77810	45	-43	2	Quantity decreased
	Ribavirin	1.2	-1.2	-	Removed
	Isoproterenol	0.06	-0.06	-	Removed
	Doxercalciferol	0.01	-0.01	-	Removed
	BAY – 1142524	1	-1	-	Removed
	Rapastinel	5	-5	-	Removed
	Compound 2- ASTEX	1	-1	-	Removed
	Palbo Intermediate-1	1	-1	-	Removed
	Palbo Intermediate-2	1	-1	-	Removed
	T Diol	1	-1	-	Removed
15.	OH-THF	-	70	70	Newly added
16.	MLS-101	-	20	20	Newly added
17.	S-L compound	-	25	25	Newly added

S.No	Products	Existing Quantity TPA	Proposed Quantity TPA	Total Quantity after Proposed Expansion TPA	Remarks
18.	CF3 Ketone	-	50	50	Newly added
19.	Molidustat	-	2	2	Newly added
20.	Methoxy Nitroldehyde	-	12	12	Newly added
21.	Encorafenib (M2e)	-	2	2	Newly added
22.	Idorsia-ACT 374274	-	12	12	Newly added
23.	SNF-E4	-	3	3	Newly added
24.	Methyl proline	-	15	15	Newly added
25.	Nirogacestat API	-	5	5	Newly added
26.	BB2	-	1	1	Newly added
27.	BCX-6494	-	2.5	2.5	Newly added
28.	BCX-7611	-	2.5	2.5	Newly added
29.	CPA	-	2.5	2.5	Newly added
30.	DCA-129	-	1.5	1.5	Newly added
31.	NBT (Quizatinib RSM)	-	1.5	1.5	Newly added
32.	CEM (Quizartinib RSM)	-	1.5	1.5	Newly added
33.	NPTA HCl	-	2	2	Newly added
34.	Clazocentan	-	2	2	Newly added
35.	Acoltremon (AR-15512)	-	1	1	Newly added
36.	6-Iodoindazole	-	1	1	Newly added
	Total (in TPA)-	**213.657**	**180.343**	**394**	

Note: From above list of products, any 15 API products and intermediates will be manufactured at a given point of time.
From the existing products, quantities of 11 are being modified, 9 are being removed and 3 will have no change. An additional 22 products are being added.

ANNEXURE – 3

UNTREATED HTDS EFFLUENT CHARACTERISTICS

S. No.	Parameter	Raw effluent Characteristics
1	pH	6.5 to 7.5
2	TSS	200 to 400 mg/L
3	TDS	31,000 to 36,000 mg/L
4	COD	85,500 to 95,000 mg/L
5	BOD	7,500 mg/L

UNTREATED LTDS EFFLUENT CHARACTERISTICS

S. No.	Parameter	Raw effluent Characteristics
1	pH	6.5 to 7.5
2	TSS	< 100 mg/L
3	TDS	<3500 to 5000 mg/L
4	COD	<9,500 mg/L
5	BOD	<2,500 mg/L

ANNEXURE – 4

SOLID, HAZARDOUS WASTE & BIO-MEDICAL WASTE DETAILS

S. No	Category of HW	Name of HW	Quantity in TPA			Disposal Method
			Existing	Proposed	Total	
	Hazardous waste generation from plant					
1.	5.1	Waste oils & Grease/ Used Mineral oil	35.2	12.3	47.5	To Authorized Recycler
2.	5.2	Oil-Soaked Cotton	-	10	10	Co-processing/Pre-processing/ Incinerator
3.	20.1	Contaminated aromatic ,aliphatic or napthenic solvents may or may not be fit for reuse (Stripper distillate)	3,500	1,000	4,500	Co-processing in Cement Kiln/Incinerator
4.	20.3	Distillation Residue	-	150	150	Co-processing in Cement Kiln/Incinerator
5.	36.1	Any Process or Distillation Residue	70	70	140	Co-processing/Pre-processing/ Incinerator
6.	28.1	Process Residues & Waste	279.74	350.26	630	Co-processing/Pre-processing/ TSDF
7.	28.2	Spent Catalyst	5.26	15	20.26	Store in secured manner and hand over to authorized recyclers

S. No	Category of HW	Name of HW	Quantity in TPA			Disposal Method
			Existing	Proposed	Total	
	Hazardous waste generation from plant					
8.	28.3	Spent Carbon	16.3	24.2	40.5	Co-processing in Cement Kiln/Incinerator
9.	28.4	Off Specification Products	8	15	23	Co-processing in Cement Kiln/Incinerator
10.	28.5	Date expired products	-	10	10	Co-processing in Cement Kiln/Incinerator
11.	28.6	Spent Solvents	7,000	13,300	20,300	Store in secured manner and hand over to authorized recyclers
12.	37.3	Chemical Sludge from waste water treatment (ATFD Salt)	1,434	1,650	3,084	Co-processing/Pre-processing/TSDF
13.	35.3	Chemical Sludge from waste water treatment (ETP sludge)	350	473	823	Co-processing/Pre-processing/TSDF
14.	33.1	Detoxified-Container & Container Liners of Hazardous Chemicals and Wastes	600	203.65	803.65	After complete detoxification, disposed to the KSPCB Authorized recyclers
15.	33.1	Liners	10	5	15	After complete detoxification, disposed to the KSPCB Authorized recyclers
16.	33.2	Contaminated cotton rags or other cleaning materials	-	5	5	Co-processing/Pre-processing/ Incinerator
17.	35.2	Spent ion exchange resin	-	5	5	Sent to TSDF
18.	A1160	Used Lead Acid batteries	-	10	10	Returned back to dealer/ Supplier
19.	36.2	Spent Carbon/ Filter medium	165	306	471	Co-processing/Pre-processing/ Incinerator
Other Solid Wastes						

S. No	Category of HW	Name of HW	Quantity in TPA			Disposal Method
	Hazardous waste generation from plant					
			Existing	Proposed	Total	
20.	--	Coal ash	252	336	336	Sent to Brick Manufacturers
21.	--	Briquette ash	1,944	2,592	2,592	Sent to Brick Manufacturers
22.	--	Used PPE	-	6.5	6.5	Sent to TSDF.
23.	--	E- Waste	-	2.5	2.5	Authorized recyclers
24.	--	Plastic Waste	-	20	20	Authorized recyclers
25.	--	Metal Scrap	-	180	180	Sale to outside agencies/ recyclers
26.	--	Used Filters (HEPA filters, Oil Filters etc.)	-	1.0	1.0	Sent to TSDF
27.	--	Used / Discarded RO Membranes	-	1.0	1.0	Sent to TSDF

ANNEXURE – 5

PROCESS EMMISSION FROM THE PROPOSED UNIT

S. No	Name of the Gas	Existing Quantity (Kg/Day)	Proposed Quantity (Kg/Day)	Total Quantity (Kg/Day)	Treatment Method	Disposal Method
1.	Hydrogen chloride	48.31	209.27	257.58	Scrubbed by using water media	Generated Dil. HCl will be reused within the industry
2.	Ammonia	-	156.12	156.12		Generated NH_4OH will be reused within the industry
3.	Sulphur Dioxide	27.75	-	27.75	Scrubbed by using C.S. Lye solution	The generated effluent will be sent to ZLD along with high TDS

S. No	Name of the Gas	Existing Quantity (Kg/Day)	Proposed Quantity (Kg/Day)	Total Quantity (Kg/Day)	Treatment Method	Disposal Method
						effluent.
4.	Oxygen	2	22.12	24.12	Dispersed into atmosphere.	-
5.	Carbon dioxide	-	81.08	81.08		
6.	Hydrogen	-	240.62	240.62	Dispersed into atmosphere through flame arrester	-
7.	Methane	3.33	-	3.33	Dispersed into atmosphere through flame arrester	-
8.	Chloromethane	17.76	-	17.76	Scrubbed by using 18 % NaOH (18%) solution using water media	Neutralized solution is drained into wastewater carrying system and treated
9.	Vapour Loss	-	5,015.14	5,015.14	Vapours will be collected and condensing by using Double condenser system in closed loop	Collected condensed solvents considered as spent solvents and disposed to Authorised recyclers/ co processing

(Srinivasulu)
Member Secretary
SEIAA, Karnataka

Signature Not Verified

Digitally Signed by : Sri Srinivasulu IFS Member Secretary, SEIAA

Date: 04/02/2026