raghavendra2.p

From: Anjaneyulu M V <anjaneyulu.m@sailife.com>
Sent: Wednesday, April 2, 2025 11:18
To: Env Section Regional Office Bangalore
Cc: Rajendra Somnath Pagare; SreeKrishna Chopperla; Srinivasa Raju A; Neetesh Patil; Satishkumar B; Raghavendra Pujari; Anand M
Subject: HYR EC Compliance report (SEIAA 36 IND 2020 Dt 28-Aug-2020)- Sai Life Sciences Limited_U4, Plot No-79A, 79-B, 80-A, 80-B, 81-A, 82 & 130A, KIADB, Bidar, Karnataka
Attachments: image001.png; HYR EC Compliance (SEIAA 36 IND 2020 Dtd 28th-Aug-2020)- Sai Life Sciences Limited -IV.pdf

Dear Sir/Madam,

Pls. find the attached EC No: SEIAA 36 IND 2020 ,Dated-28-August-2020. EC-Compliance HYR (period from October 2024 - March 2025) Status for the Proposed establishment of API,s ,Intermediates and R&D for custom synthesis products Manufacturing at Sai Life Sciences Limited Plot No- 79A, 79-B, 80-A, 80-B, 81-A, 82 & 130A, Kolhar Industrial Area, Bidar - 585403.

Report contains as mentioned below..

1. Covering letter
2. Environmental Clearance HYR Compliance Status report.
3. Environmental Monitoring reports.

Best regards,

MV Anjaneyulu

+91 9108924038, Ext: 4004

[cid:image001.png@01DBA3C0.EFF85800]

Sai Life Sciences Limited (Unit-4)
79A,79-B, 80-A, 80-B, 81-A, 82 & 130A
Kolhar Industrial Area
Bidar - 585 403, Karnataka, India.
www.sailife.com<http://www.sailife.com/>

Make Environment better together

Sai Make it better together

01st April 2025

To,
The Additional Director,
Regional office (Southern Zone),
Ministry of Environment, Forest and Climate Change,
Kendriya Sadan, 4th Floor, E&F Wings,
17th Main Road, 2nd Block, Koramangala,
Bangalore – 560034.

Sub: Submission of Half-yearly EC compliance status from October-2024 to March-2025. M/s Sai Life Sciences Limited., Unit-IV, plot No.79A, 79B, 80A, 80B, 81A, 82 and 130A, Kolhar industrial area, Bidar Taluk and District-585403, Karnataka State.

Ref: - Environment Clearance No. SEIAA 36 IND 2020, received on 28-August-2020 & EC Corrigendum received on 18-Jan-2022.

Respected Sir,

With reference to the above subject, we are herewith submitting the EC compliance status. Please find the enclosed copy with respect to the above cited subject. Kindly acknowledge the receipt.

Enclosed copy: Compliance report of EC Condition.

Thanking You.

Yours faithfully,
For Sai Life Sciences Limited.

SAI LIFE SCIENCES LTD. BIDAR UNIT-IV

Authorized Signatory.

Cc To: 1. The Karnataka State Pollution Control Board, Plot No. 42(B -2), Naubad Industrial Area, Bidar–585 402.

2. The Member secretary, KSPCB, Parisara bhavan, Bengaluru (Karnataka).

3. The Member Secretary, SEIAA Karnataka (Ecology and Environment) Dept of Forest ecology and environment, Government of Karnataka, Room No. 709. 7th floor, 4th Gate, MS Building, Bengaluru – 560001.

Environmental clearance No. SEIAA 36 IND 2020, Dtd: 28-Aug-2020. Accorded by State level Environment impact Assessment Authority -Karnataka (Constituted by MOEF, Government of India).

Name and Address of the Project: Sai Life Sciences Ltd.,
Unit-IV,
Plot No.79A, 79B, 80A, 80B, 81A, 82 &130A,
Kolhar Industrial Area,
Bidar Taluk &District-585403,
Karnataka State.

I.Statutory Compliance:

Sl.No	Specific Conditions	Compliance Status
i	The project proponent shall obtain forest clearance under the provision of forest (conservation) Act, 1986 in case of the diversion of forest plant or non-forest plant purpose involved in the project.	Not applicable The project site is located in notified industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable The project site is located in Notified Industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
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 six-monthly compliance report.(In case of presence of schedule-1 species in the study area)	Not applicable The project site is located in Notified Industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
iv	The project proponent shall obtained consent to establish / operate under the provisions of air (Prevention and control of pollution) Act, 1981 and the water (Prevention and control of pollution) Act, 1974 from the concerned state pollution control board / committee.	Complied. We have received of consent for establish (CFE) from Karnataka state pollution control board. Consent order No: 321677. Dtd: 19-Oct-2020. CFE copy is attached as **annexure -1**.
v	The project proponent shall be obtain authorization under the hazardous and other waste management rules,2016 as amended from time to time.	Complied. Noted and shall follow the same as per the MOEF / PCB rules and guidelines.

		We have received of Hazardous waste authorization from Karnataka state pollution control board. Hazardous waste authorization No: 334722. Dtd: 02-Dec-2022. Hazardous waste authorization copy is attached as **annexure -2**.
vi	The company shall strictly comply with the rules and guidelines under the 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	Complied. We have received of PESO license from PESO organization. License No: P/HQ/KA/15/2757 (P271989) received on : 21-Oct-2022, Valid up to:31-Dec-2026 1. Every container containing hazardous chemicals has been labelled. 2. Noted and being followed the same as per the MSIHC rules and guidelines.

II. Air quality monitoring and preservation:

i	The project shall install 24*7 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 system from time to time according to equipment supplier specification through labs recognized under environmental (Protection)Act,1986 or NABL accredited laboratories	Noted. 1. Installed online continuous stack emission monitoring system (OCEMS) for Boiler stack, this real time data connected to KSPCB / CPCB server. 2. Our OCEMS flow meter and emission sensor have been calibrated by recognized laboratories. Web portal screenshot of KSPCB / CPCB live data streaming and Calibration reports are attached as **annexure-3.**
ii	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under environment (Protection) Act,1986.	Complied. 1. Fugitive emissions are monitored by approved NABL/MOEF laboratories. 2. Fugitive emission monitoring are being carried out (Once in three months) and the reports are attached as **annexure-4.**

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 SO_2 and NOx in reference to SO_2 and NO_x emissions) within and outside the plant area at least at four locations (One within and three outside the plant area at angle of 120 each), covering upwind and downwind directions.	Noted. It will be complied. Present we are monitored of Ambient Air quality (4 Locations) through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. AAQMS monitoring reports are attached as **nnexure-5.**
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 emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Complied. Our boilers works on fluidized bed technology for effective combustion and has pulsating fiber glass bag filters for efficient emission control. The emission parameters are regularly monitored through a PCB approved third party laboratory and the reports are also submitted to board on monthly basis. Ensured adequate stack heights for boilers. 3. Stack emission monitoring system (OCEMS) for Boiler stack, this real time data connected to KSPCB / CPCB server. Boiler coal Sulphur content report is attached as **annexure-6**
v	Storage of raw materials, coal etc. shall be either stored in silos or in covered area to prevent dust pollution and other fugitive emissions.	Complied. A. Boiler coal storage in closed shed and provided water mist to control dust dispersion into environment. B. Closed conveyor system to handle the coal loading activity. C. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM< 100 mg/Nm3). Dedicated coal storage shed, water mist system and closed conveyor system attached as **annexure-7.**
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.	Complied. Regular monitoring of Ambient air quality, process emission and treated effluent are being carried out. The monitoring report are being submitted

		to the KSPCB regional office-Bidar in regular intervals. Scrubbers, DG sets, Boiler stack and Treated effluent monitoring reports are attached as **annexure-8.**
vii	The national ambient air quality emission standards issued by ministry G.S.R NO. 826(E) dated 16th November, 2009 shall be complied with.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines. We have monitored of Ambient Air quality through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. AAQMS monitoring reports are attached as **nnexure-5.**

III.Water quality monitoring and preservation:

i	The project proponent shall be provide online continuous monitoring of effluents, 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 project achieving ZLD).	Complied. We have provided online continuous monitoring of effluents (OCEMS). Treated effluent flow meter connected to CPCB/KSPCB servers. Web portal screenshot of KSPCB / CPCB live data streaming and flowmeter with camera attached as **annexure-9.**
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 project achieving ZLD).	Complied. The unit has zero liquid discharge system (ZLDS). Comprising of Multiple effect evaporation system (MEE), Effluent treatment plant (ETP) and Reverse osmosis system (RO), and Effluent treated is used in cooling tower as a makeup. ZLDS facility photographs are attached as **annexure-10.**
iii	The effluent discharge shall conform to the standards prescribed under the environmental (Protection) Act, 1986, or as specified by the state pollution control board while granting consent under the Air/Water Act, Whichever is more stringent.	Complied. We have a Zero Liquid Discharge (ZLD) unit comprising of Biological ETP, Multiple Effect Evaporation system (MEE) and Reverse Osmosis (RO) Unit. Effluent treated is used in cooling tower as a makeup. Raw & treated effluent quality reports are

		submitting to the board regularly Treated effluent monitoring reports attached as **annexure-8 .**
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.	Complied. 1. Water Consumption is being monitored on daily basis and is being complied within limits. 2. Ground water extraction NOC received from KGWA on 23-July-2021. 3. We have submitted ground water NOC application to KGWA department for renewal. 4. Ground water NOC and submitted acknowledgement for NOC renewal attached as **annexure-11.**
v.	The process effluent/any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through separate conveyance system.	Complied. A. Storm water not mixed with effluent and floor washing. B. Spill kits are provided across all the plants. Dyke walls /curb walls are provided wherever required towards secondary containment. C. All the site walkways & building pathways at site are provided with uniform sloping to drive the water towards the drainages & storm drain system. D. We have provided adequate rainwater storage tank. Secondary containment and Rainwater collection tank attached as **annexure-12.**
vi	The company shall harvest rain water from the roof tops of the building and storm water drain to recharge the ground water and utilize the same for different industrial operations within the plant.	Complied. A. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining & catch basins. B. We have provided adequate rainwater collection and storage tank. C. Rainwater collection tank is attached as **annexure-12.**

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 the this regard.	Complied. A. All DG sets are provided with acoustic enclosures and stack height are adequate. B. Emissions are monitored by approved third party laboratories and reports are being submitted to Regional office on monthly basis. DG sets stack is included in **Annexures 13.** DG sets emission monitoring reports are attached as **annexure-8**

IV. Noise monitoring and prevention:

i	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied. A. All DG sets are provided with acoustic enclosures. DG sets acoustic enclosure attached as **annexure-14.**
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.	Complied. A. Noise levels monitoring is done at regular intervals. Noise levels report are being submitted to the PCB board regularly. B. Used proper lubrication to avoid excessive noise generation. C. All DG sets are provided with acoustic enclosures. D. Preventive maintenance in place and extended to all equipment's performed by qualified of maintenance team. Noise level monitoring reports are attached as **annexure-15.**
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	Complied. It is being followed. Noise levels monitoring is done at regular intervals. Noise levels report are being submitted to the PCB board regularly.

		Noise level monitoring reports are attached as **annexure-15.**

V. Energy Conservation measures:

i	The energy sources for lighting purposes shall preferably be LED based.	Complied. The energy conservation measures in unit and LED lights provided for lighting purpose.

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.	Complied. Solvent storage tank farm is equipped with nitrogen padding facility. Vents are equipped with flame arrestor, breather valve and Back pressure relief valves. Nitrogen blanketing system, earth rite system and foam flooding system are provided in tank farm area. Foam flooding automatic system is pro vided in drum shed area. Refer to **annexure -16.**
ii		Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Noted and being followed. This is being disposed to pollution control board approved Co-Processing / Pre-processing / Authorised Recycler facilities through authorized hazardous waste transporter as per mentioned in Hazardous waste authorization.
iii. The company shall undertake waste minimization measures as below			
iii.	a.	Metering and control of quantities of active ingredients to minimize waste.	Waste minimization efforts are on-going and close monitoring of waste generation is in place
	b.	Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Noted and being followed

	c.	Use of automated filling to minimize spillage.	Complied. 1).Liquids are transferred from centralized tank farm area to process plants through dedicated closed pipelines and suitable MOC through an automated system. 2).Level controllers / Indicators are available in the reactors and storage tanks. **Refer to annexure -17.**
	d.	Use of close feed system into batch reactors.	Complied. All powders are transferred through Powder Transfer System (PTS) and glove boxes. And liquids are transferred by applying vacuum or closed charging by pumps. **Refer to annexure -18.**
	e.	Venting equipment through Vapour recovery system.	Complied Heat exchangers are provided wherever necessary. On need basis secondary /vent condensers are also provided with brine /chilled water cooling circulation system. **Refer to annexure -19.**
	f.	Use of high pressure hoses for equipment clearing to reduce waste water generation.	Complied. CIP system and high pressure water jet machines are in place to reduce the waste water generation. Attached the photographs of CIP system. **Refer to annexure -20.**

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.	Noted and shall follow the same as per the board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants

		already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Greenbelt photographs are attached **Refer to annexure -21**.

VIII.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.	Complied. The risk Assessment(HIRA) has been included in on-site emergency plan.
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.	Complied. Entire site is covered with dedicated fire hydrant system which is kept in 'auto' mode. Electrical pump, Diesel pump and Jockey pump are made available in fire pump house which are hooked to a dedicated fire water reservoir. Aqueous Film Forming Foam (AFFF) solution is maintained at strategic locations. Portable fire extinguishers are placed at strategic locations across the site. Fire Extinguishers of different types like Dry Powder, Carbon dioxide, and Mechanical Foam are available. We also having 60 Members of Emergency Response Team (ERT Members) and they have undergone special training from the Fire department. We have engaged one retired District Fire officer for the Fire Fighting training and he visits the site once in 2 days and conducts the training to all the ERT members.
iii	The PP shall provide Personal Protection Equipment	Complied.

	(PPE) as per the norms of Factory Act.	Various types of PPE are maintained and distributed to workers on regular basis.
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.	Complied. A. HSE induction and fresher training imparted to employees and workers. Training organized through Annual HSE Training Calendar. Training records are being maintained. B. Trained "Emergency Response Team (ERT)" members present in all shifts to mitigate any emergency situation. ERT members given various training on fire fighting, first-aid, evacuation & rescue through practical drills.
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.	The condition is not applicable, We are using precast concrete parts like, concrete beams, columns, walls, roofs for construction.
vi	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Annual medical check-ups are performed for employees and workers. Fully equipped Occupational Health Centre is established within the premises which is monitored by qualified Doctor.
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.	Complied. We have provided of dedicated area for raw material, solvent tanks and finished products vehicles.

IX. Corporate Environment Responsibility:

1.	The project authorities shall undertake activities under Corporate Environment Responsibility (CER) with a total cost of not less than Rs. 150 Lakhs contribution towards PM citizen Assistance and Relief in Emergency situations Fund in accordance with the O.M.F. No.22-65/2017-IA.III dated 01st May 2018 and report be submitted to the Authority.	Complied and on-going. 1. As per mentioned in OM (F.No.22-65/2017-IA.III dated 1-5-2018 of MoEF&CC had laid down certain guidelines regarding CER. According to the guidelines, CER was carried out. 2. There's good traction with the livelihood program, where the programs are reached to surrounding villages. For full details refer to **annexure –22**

2.	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 shareholders / 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.	Complied. Organization has well laid down Health, Safety & Environmental policy duly approved by its Chairman and Managing director &CEO. Refer to **annexure – 23**.
3.	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.	Complied A separate Health, Safety & Environmental (HSE) management cell being established. Organogram is attached. Refer to **annexure – 24.**
4.	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.	Complied **a.** We have allocated budget for Environment, health & Safety. **b.** Monthly allocated budget and purchase details. For full details refer to **annexure-25**. **c.** We had taken several environmental management programs. For full details refer to **annexure-25.**
5.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied. Self-environment audit was conducted on 21-Sep-2023, for full details refer to **Annexure-26**. We are conducted environmental audit through Robust material technology PVT, Ltd on 26-Oct-2023. Audit report was submitted to department on 01-Dec-2023. For reference attached submitted acknowledgement. Refer to **Annexure-26.**

X.Miscellaneous:

1.	Effort shall be made to replace Hexane, Toluene and Bromine by alternatives as per the SEAC condition.	Noted. And will be followed.
2.	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.	Complied. 1. Paper advertisement given on 01-October-2020 in Regional language and English language news papers. 2. EC copy is now available at https://www.sailife.com (Our website) Refer to annexure – 27.
3.	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.	Complied. Intimated to KSPCB-RO office, MOEF office, Member secretary-SEIAA regarding obtaining new EC. Acknowledgement copies are attached. **Refer to annexure – 28**.
4.	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.	Noted and being followed. Our EC half-yearly compliance has been uploaded at https://www.sailife.com (Our website)
5.	The project proponent shall monitor the criteria pollutants level namely; PM 10, SO_2, 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.	Complied 1. AAQMS & S Stack emissions are monitored through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. 2. A Display board of ambient air quality /Stack emission monitoring reports are displayed at the main gate. 3. Uploaded on the company website, which is updated every six months. Refer to **annexure – 5 & 8**
6.	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.	Noted and being followed. Our EC half-yearly compliance has been uploaded at https://parivesh.nic.in/parivesh-ua/#/
7.	The HYCRs with its contents of a covering letter, compliance reports, and environmental monitoring data has to be in PDF format merged in to a single document. The email should be 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	Noted and being followed 1. Our EC half-yearly compliance have sent to rosz.bng-mefcc@gov.i n

	copy of HYCRs shall not be acceptable".	
8.	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.	Noted and being followed. Form-V is now available at https://www.sailife.com (Our website)
9.	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.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
10.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
11.	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.	Noted and being followed.
12.	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).	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
13.	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.	Noted.
14.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
15.	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
16.	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.	Noted and being followed.
17.	The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention and control of pollution) Act, 1981, the Environment (Protection) Act, 1986, hazardous and other wastes (Management and	Noted.

	Trans boundary 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.	
18.	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.	Noted.
19.	The project proponent shall adopt and comply all the mechanism included by the MOEF&CC which is given in the Annexure-I and shall be abide by the conditions there on. The project proponent shall undertake all necessary steps to bring down the CEPI score of the industrial area and the improve the environment condition in accordance with the mechanism evolved by MOEF & CC.	Noted and will be complied.

ANNEXURE-II

Additional condition as per the Mechanism evolved by MOEF&CC as compliance to the orders of Honorable NGT dated 19-August-2019 in OA No.1038 0f 2018.

Environment Mitigation Measures

A. Air :

Stipulation of condition such as :		
1.	Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.	Complied. A. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM< 100 mg/Nm3). B. Cyclone separator installed followed by the bag filter and stack height is in line with norms. Refer to **annexure – 6**.

2.	CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.	Noted. 1. Installed online continuous stack emission monitoring system (CSEMS) for Boiler stack, this real time data connected to KSPCB/CPCB server. 2. We are being submitted reports to KSPCB regional office on monthly basis of boiler stack SPM (mg/Nm3) Minimum, Maximum, Average valves. Refer to **annexure-3 & 6**
3.	Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	Complied. Adequate control measure are available for minimizing the fugitive emission from all the vulnerable sources. A. We have installed Powder transfer system (PTS), Glove box and drum Containment system (DCS).These advanced containment systems protect the environment by limiting the concentration of pollutants in ambient air. B. All our critical manufacturing operation are carried out through closed system and the reactors also are equipped with primary and secondary condensers with RT water or +5°C chilled water utility to prevent emission of Vocs. Refer to **annexure -18 & 19.**
4.	Transportation of materials by rail/conveyor belt, wherever feasible.	Complied. The loading of coal to boiler. The coal is transferred to boiler using closed conveyor belt. Refer to **annexure – 7.**
5.	Encourage use of cleaner fuels (pet coke/furnace oil/LSHS may be avoided).	Noted and being followed. We have avoided the furnace oil.
6.	Best Available Technology may be used. For example; usage of EAF/SAF/lF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology.	Noted and being followed.
7.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33 %, wherever feasible.	Complied. Noted and shall follow the same as per the

		board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Development of greenbelt in & around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached. Refer to annexure -21.
8.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc,	Complied 1. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 2. Development of green cover 3.5 acres in lease land as part of social forestry initiative.
9.	Assessment of carrying capacity of transportation load on roads inside the industrial premises. If the roads required to be widened, shall be prescribed as a condition.	Noted and being followed.

B. Water:

Stipulation of condition such as :		
1.	Reuse/recycle of treated waste water, wherever feasible.	Complied. Recycled water is being used in cooling towers as make up water.
2.	Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting)	Complied. The strong dedicated team manage the effluent in efficient manner on daily. The standard operation procedure is in place for management of effluent and all employees of ETP are trained on the procedure. As per the procedure in house Discharge ion logbook is maintained as record. Preventive maintenance schedule is defined for all equipment's of ETP and maintenance is carried out at regular intervals by trained professionals.
3.	A detailed water harvesting plan may be submitted by the project proponent	Complied. Rain water management : A. Storm water shall not be allowed to mix with effluent and floor washing. B. Spill kits are provided across all the plants. Dyke walls /curb walls are provided wherever required towards secondary containment. C. All the site walkways & building pathways at site are provided with uniform sloping to drive the water towards the drainages & storm drain system. D. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining & catch basins. E. We have provided adequate rainwater storage tank. F. The rainwater used to utilities as makeup.

4.	Zero liquid discharge wherever Techno Economically feasible	Noted and being followed. we are following the highest standards of environmental management. We have systematic method for collection and treatment of all types of effluent. Our facility is equipped with Zero Liquid Discharge (ZLDS). The ZLDS facility includes following components: A. Stripper B. Multiple Effect Evaporator (MEE) C. Agitated Thin Film Dryer (ATFD) D. Primary & biological treatment E. Reverse Osmosis (RO) system. The tanks are provided with impervious acid proof lining to prevent any kind of spillage of effluent. The collected effluent is transferred to treatment facility through closed transfer system provided with SS / HDPE / rigid pipelines, compatible gaskets for pipeline and flange guard provided for HCL pipeline. The entire area of ETP facility is provided with hard flooring and acid resistance impervious lining for hazard operation areas and leak prevention. All the collection tanks and the ETP area is provided with adequate secondary containment to prevent any spills leaking into the environment. We have in-house ETP laboratory and the effluent generated are analyzed for quality parameters in this lab. ZLDS facility photographs are attached. **Refer to annexure -10.**
5.	In case, domestic waste water generation is more than 10 KLD, the industry may install STP.	Complied. We have installed Sewage treatment plant (STP) and the domestic effluent is being treated in STP. STP plant and flow scheme attached as **Annexure-29.**

C.Land:

Stipulation of condition such as :		
1.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.	Complied. Noted and shall follow the same as per the board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Development of greenbelt in & around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached. Refer to annexure -21
2.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Complied 1. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 2. Development of green cover 3.5 acres in lease land as part of social forestry initiative.
3.	Dumping of waste (fly ash, slag, red mud, etc.) may be	Noted and being followed.

	permitted only at designated locations approved by SPCBs/ PCCs.	
4.	More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.	Noted and being followed. This is being disposed to pollution control board approved Co-Processing / Pre-processing / Authorised Recycler facilities through authorized hazardous waste transporter as per mentioned in Hazardous waste authorization.

D.Other Condition (Additional)

1.	Monitoring of compliance of EC conditions may be submitted with third party audit every year.	Noted and will be complied.
2.	The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	Complied and on-going. 1. As per mentioned in OM (F.No.22-65/2017-IA.III dated 1-5-2018 of MoEF&CC had laid down certain guidelines regarding CER. According to the guidelines, CER was carried out. 2. There's good traction with the livelihood program, where the programs are reached to surrounding villages. For full details refer to **annexure –22.**

Environmental clearance No. SEIAA 36 IND 2020, Dtd: 28-Aug-2020. Accorded by State level Environment impact Assessment Authority -Karnataka (Constituted by MOEF, Government of India).

Name and Address of the Project: Sai Life Sciences Ltd.,
Unit-IV,
Plot No.79A, 79B, 80A, 80B, 81A, 82 &130A,
Kolhar Industrial Area,
Bidar Taluk &District-585403,
Karnataka State.

I.Statutory Compliance:

Sl.No	Specific Conditions	Compliance Status
i	The project proponent shall obtain forest clearance under the provision of forest (conservation) Act, 1986 in case of the diversion of forest plant or non-forest plant purpose involved in the project.	Not applicable The project site is located in notified industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable The project site is located in Notified Industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
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 six-monthly compliance report.(In case of presence of schedule-1 species in the study area)	Not applicable The project site is located in Notified Industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
iv	The project proponent shall obtained consent to establish / operate under the provisions of air (Prevention and control of pollution) Act, 1981 and the water (Prevention and control of pollution) Act, 1974 from the concerned state pollution control board / committee.	Complied. We have received of consent for establish (CFE) from Karnataka state pollution control board. Consent order No: 321677. Dtd: 19-Oct-2020. CFE copy is attached as **annexure -1**.
v	The project proponent shall be obtain authorization under the hazardous and other waste management rules,2016 as amended from time to time.	Complied. Noted and shall follow the same as per the MOEF / PCB rules and guidelines.

		We have received of Hazardous waste authorization from Karnataka state pollution control board. Hazardous waste authorization No: 334722. Dtd: 02-Dec-2022. Hazardous waste authorization copy is attached as **annexure -2**.
vi	The company shall strictly comply with the rules and guidelines under the 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	Complied. We have received of PESO license from PESO organization. License No: P/HQ/KA/15/2757 (P271989) received on : 21-Oct-2022, Valid up to:31-Dec-2026 1. Every container containing hazardous chemicals has been labelled. 2. Noted and being followed the same as per the MSIHC rules and guidelines.

II. Air quality monitoring and preservation:

i	The project shall install 24*7 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 system from time to time according to equipment supplier specification through labs recognized under environmental (Protection)Act,1986 or NABL accredited laboratories	Noted. 1. Installed online continuous stack emission monitoring system (OCEMS) for Boiler stack, this real time data connected to KSPCB / CPCB server. 2. Our OCEMS flow meter and emission sensor have been calibrated by recognized laboratories. Web portal screenshot of KSPCB / CPCB live data streaming and Calibration reports are attached as **annexure-3.**
ii	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under environment (Protection) Act,1986.	Complied. 1. Fugitive emissions are monitored by approved NABL/MOEF laboratories. 2. Fugitive emission monitoring are being carried out (Once in three months) and the reports are attached as **annexure-4.**

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 SO_2 and NOx in reference to SO_2 and NO_x emissions) within and outside the plant area at least at four locations (One within and three outside the plant area at angle of 120 each), covering upwind and downwind directions.	Noted. It will be complied. Present we are monitored of Ambient Air quality (4 Locations) through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. AAQMS monitoring reports are attached as **nnexure-5.**
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 emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Complied. Our boilers works on fluidized bed technology for effective combustion and has pulsating fiber glass bag filters for efficient emission control. The emission parameters are regularly monitored through a PCB approved third party laboratory and the reports are also submitted to board on monthly basis. Ensured adequate stack heights for boilers. 3. Stack emission monitoring system (OCEMS) for Boiler stack, this real time data connected to KSPCB / CPCB server. Boiler coal Sulphur content report is attached as **annexure-6**
v	Storage of raw materials, coal etc. shall be either stored in silos or in covered area to prevent dust pollution and other fugitive emissions.	Complied. A. Boiler coal storage in closed shed and provided water mist to control dust dispersion into environment. B. Closed conveyor system to handle the coal loading activity. C. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM< 100 mg/Nm3). Dedicated coal storage shed, water mist system and closed conveyor system attached as **annexure-7.**
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.	Complied. Regular monitoring of Ambient air quality, process emission and treated effluent are being carried out. The monitoring report are being submitted

		to the KSPCB regional office-Bidar in regular intervals. Scrubbers, DG sets, Boiler stack and Treated effluent monitoring reports are attached as **annexure-8.**
vii	The national ambient air quality emission standards issued by ministry G.S.R NO. 826(E) dated 16th November, 2009 shall be complied with.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines. We have monitored of Ambient Air quality through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. AAQMS monitoring reports are attached as **nnexure-5.**

III.Water quality monitoring and preservation:

i	The project proponent shall be provide online continuous monitoring of effluents, 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 project achieving ZLD).	Complied. We have provided online continuous monitoring of effluents (OCEMS). Treated effluent flow meter connected to CPCB/KSPCB servers. Web portal screenshot of KSPCB / CPCB live data streaming and flowmeter with camera attached as **annexure-9.**
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 project achieving ZLD).	Complied. The unit has zero liquid discharge system (ZLDS). Comprising of Multiple effect evaporation system (MEE), Effluent treatment plant (ETP) and Reverse osmosis system (RO), and Effluent treated is used in cooling tower as a makeup. ZLDS facility photographs are attached as **annexure-10.**
iii	The effluent discharge shall conform to the standards prescribed under the environmental (Protection) Act, 1986, or as specified by the state pollution control board while granting consent under the Air/Water Act, Whichever is more stringent.	Complied. We have a Zero Liquid Discharge (ZLD) unit comprising of Biological ETP, Multiple Effect Evaporation system (MEE) and Reverse Osmosis (RO) Unit. Effluent treated is used in cooling tower as a makeup. Raw & treated effluent quality reports are

		submitting to the board regularly Treated effluent monitoring reports attached as **annexure-8 .**
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.	Complied. 1. Water Consumption is being monitored on daily basis and is being complied within limits. 2. Ground water extraction NOC received from KGWA on 23-July-2021. 3. We have submitted ground water NOC application to KGWA department for renewal. 4. Ground water NOC and submitted acknowledgement for NOC renewal attached as **annexure-11.**
v.	The process effluent/any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through separate conveyance system.	Complied. A. Storm water not mixed with effluent and floor washing. B. Spill kits are provided across all the plants. Dyke walls /curb walls are provided wherever required towards secondary containment. C. All the site walkways & building pathways at site are provided with uniform sloping to drive the water towards the drainages & storm drain system. D. We have provided adequate rainwater storage tank. Secondary containment and Rainwater collection tank attached as **annexure-12.**
vi	The company shall harvest rain water from the roof tops of the building and storm water drain to recharge the ground water and utilize the same for different industrial operations within the plant.	Complied. A. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining & catch basins. B. We have provided adequate rainwater collection and storage tank. C. Rainwater collection tank is attached as **annexure-12.**

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 the this regard.	Complied. A. All DG sets are provided with acoustic enclosures and stack height are adequate. B. Emissions are monitored by approved third party laboratories and reports are being submitted to Regional office on monthly basis. DG sets stack is included in **Annexures 13.** DG sets emission monitoring reports are attached as **annexure-8**

IV. Noise monitoring and prevention:

i	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied. A. All DG sets are provided with acoustic enclosures. DG sets acoustic enclosure attached as **annexure-14.**
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.	Complied. A. Noise levels monitoring is done at regular intervals. Noise levels report are being submitted to the PCB board regularly. B. Used proper lubrication to avoid excessive noise generation. C. All DG sets are provided with acoustic enclosures. D. Preventive maintenance in place and extended to all equipment's performed by qualified of maintenance team. Noise level monitoring reports are attached as **annexure-15.**
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	Complied. It is being followed. Noise levels monitoring is done at regular intervals. Noise levels report are being submitted to the PCB board regularly.

		Noise level monitoring reports are attached as **annexure-15.**

V. Energy Conservation measures:

i	The energy sources for lighting purposes shall preferably be LED based.	Complied. The energy conservation measures in unit and LED lights provided for lighting purpose.

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.	Complied. Solvent storage tank farm is equipped with nitrogen padding facility. Vents are equipped with flame arrestor, breather valve and Back pressure relief valves. Nitrogen blanketing system, earth rite system and foam flooding system are provided in tank farm area. Foam flooding automatic system is pro vided in drum shed area. Refer to **annexure -16.**
ii		Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Noted and being followed. This is being disposed to pollution control board approved Co-Processing / Pre-processing / Authorised Recycler facilities through authorized hazardous waste transporter as per mentioned in Hazardous waste authorization.
iii. The company shall undertake waste minimization measures as below			
iii.	a.	Metering and control of quantities of active ingredients to minimize waste.	Waste minimization efforts are on-going and close monitoring of waste generation is in place
	b.	Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Noted and being followed

	c.	Use of automated filling to minimize spillage.	Complied. 1).Liquids are transferred from centralized tank farm area to process plants through dedicated closed pipelines and suitable MOC through an automated system. 2).Level controllers / Indicators are available in the reactors and storage tanks. **Refer to annexure -17.**
	d.	Use of close feed system into batch reactors.	Complied. All powders are transferred through Powder Transfer System (PTS) and glove boxes. And liquids are transferred by applying vacuum or closed charging by pumps. **Refer to annexure -18.**
	e.	Venting equipment through Vapour recovery system.	Complied Heat exchangers are provided wherever necessary. On need basis secondary /vent condensers are also provided with brine /chilled water cooling circulation system. **Refer to annexure -19.**
	f.	Use of high pressure hoses for equipment clearing to reduce waste water generation.	Complied. CIP system and high pressure water jet machines are in place to reduce the waste water generation. Attached the photographs of CIP system. **Refer to annexure -20.**

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.	Noted and shall follow the same as per the board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants

		already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Greenbelt photographs are attached **Refer to annexure -21**.

VIII.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.	Complied. The risk Assessment(HIRA) has been included in on-site emergency plan.
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.	Complied. Entire site is covered with dedicated fire hydrant system which is kept in 'auto' mode. Electrical pump, Diesel pump and Jockey pump are made available in fire pump house which are hooked to a dedicated fire water reservoir. Aqueous Film Forming Foam (AFFF) solution is maintained at strategic locations. Portable fire extinguishers are placed at strategic locations across the site. Fire Extinguishers of different types like Dry Powder, Carbon dioxide, and Mechanical Foam are available. We also having 60 Members of Emergency Response Team (ERT Members) and they have undergone special training from the Fire department. We have engaged one retired District Fire officer for the Fire Fighting training and he visits the site once in 2 days and conducts the training to all the ERT members.
iii	The PP shall provide Personal Protection Equipment	Complied.

	(PPE) as per the norms of Factory Act.	Various types of PPE are maintained and distributed to workers on regular basis.
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.	Complied. A. HSE induction and fresher training imparted to employees and workers. Training organized through Annual HSE Training Calendar. Training records are being maintained. B. Trained "Emergency Response Team (ERT)" members present in all shifts to mitigate any emergency situation. ERT members given various training on fire fighting, first-aid, evacuation & rescue through practical drills.
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.	The condition is not applicable, We are using precast concrete parts like, concrete beams, columns, walls, roofs for construction.
vi	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Annual medical check-ups are performed for employees and workers. Fully equipped Occupational Health Centre is established within the premises which is monitored by qualified Doctor.
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.	Complied. We have provided of dedicated area for raw material, solvent tanks and finished products vehicles.

IX. Corporate Environment Responsibility:

1.	The project authorities shall undertake activities under Corporate Environment Responsibility (CER) with a total cost of not less than Rs. 150 Lakhs contribution towards PM citizen Assistance and Relief in Emergency situations Fund in accordance with the O.M.F. No.22-65/2017-IA.III dated 01st May 2018 and report be submitted to the Authority.	Complied and on-going. 1. As per mentioned in OM (F.No.22-65/2017-IA.III dated 1-5-2018 of MoEF&CC had laid down certain guidelines regarding CER. According to the guidelines, CER was carried out. 2. There's good traction with the livelihood program, where the programs are reached to surrounding villages. For full details refer to **annexure –22**

2.	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 shareholders / 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.	Complied. Organization has well laid down Health, Safety & Environmental policy duly approved by its Chairman and Managing director &CEO. Refer to **annexure – 23**.
3.	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.	Complied A separate Health, Safety & Environmental (HSE) management cell being established. Organogram is attached. Refer to **annexure – 24.**
4.	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.	Complied **a.** We have allocated budget for Environment, health & Safety. **b.** Monthly allocated budget and purchase details. For full details refer to **annexure-25**. **c.** We had taken several environmental management programs. For full details refer to **annexure-25.**
5.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied. Self-environment audit was conducted on 21-Sep-2023, for full details refer to **Annexure-26**. We are conducted environmental audit through Robust material technology PVT, Ltd on 26-Oct-2023. Audit report was submitted to department on 01-Dec-2023. For reference attached submitted acknowledgement. Refer to **Annexure-26.**

X.Miscellaneous:

1.	Effort shall be made to replace Hexane, Toluene and Bromine by alternatives as per the SEAC condition.	Noted. And will be followed.
2.	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.	Complied. 1. Paper advertisement given on 01-October-2020 in Regional language and English language news papers. 2. EC copy is now available at https://www.sailife.com (Our website) Refer to annexure – 27.
3.	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.	Complied. Intimated to KSPCB-RO office, MOEF office, Member secretary-SEIAA regarding obtaining new EC. Acknowledgement copies are attached. **Refer to annexure – 28**.
4.	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.	Noted and being followed. Our EC half-yearly compliance has been uploaded at https://www.sailife.com (Our website)
5.	The project proponent shall monitor the criteria pollutants level namely; PM 10, SO_2, 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.	Complied 1. AAQMS & S Stack emissions are monitored through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. 2. A Display board of ambient air quality /Stack emission monitoring reports are displayed at the main gate. 3. Uploaded on the company website, which is updated every six months. Refer to **annexure – 5 & 8**
6.	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.	Noted and being followed. Our EC half-yearly compliance has been uploaded at https://parivesh.nic.in/parivesh-ua/#/
7.	The HYCRs with its contents of a covering letter, compliance reports, and environmental monitoring data has to be in PDF format merged in to a single document. The email should be 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	Noted and being followed 1. Our EC half-yearly compliance have sent to rosz.bng-mefcc@gov.i n

	copy of HYCRs shall not be acceptable".	
8.	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.	Noted and being followed. Form-V is now available at https://www.sailife.com (Our website)
9.	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.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
10.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
11.	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.	Noted and being followed.
12.	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).	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
13.	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.	Noted.
14.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
15.	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
16.	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.	Noted and being followed.
17.	The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention and control of pollution) Act, 1981, the Environment (Protection) Act, 1986, hazardous and other wastes (Management and	Noted.

	Trans boundary 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.	
18.	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.	Noted.
19.	The project proponent shall adopt and comply all the mechanism included by the MOEF&CC which is given in the Annexure-I and shall be abide by the conditions there on. The project proponent shall undertake all necessary steps to bring down the CEPI score of the industrial area and the improve the environment condition in accordance with the mechanism evolved by MOEF & CC.	Noted and will be complied.

ANNEXURE-II

Additional condition as per the Mechanism evolved by MOEF&CC as compliance to the orders of Honorable NGT dated 19-August-2019 in OA No.1038 0f 2018.

Environment Mitigation Measures

A. Air :

Stipulation of condition such as :		
1.	Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.	Complied. A. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM< 100 mg/Nm3). B. Cyclone separator installed followed by the bag filter and stack height is in line with norms. Refer to **annexure – 6**.

2.	CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.	Noted. 1. Installed online continuous stack emission monitoring system (CSEMS) for Boiler stack, this real time data connected to KSPCB/CPCB server. 2. We are being submitted reports to KSPCB regional office on monthly basis of boiler stack SPM (mg/Nm3) Minimum, Maximum, Average valves. Refer to **annexure-3 & 6**
3.	Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	Complied. Adequate control measure are available for minimizing the fugitive emission from all the vulnerable sources. A. We have installed Powder transfer system (PTS), Glove box and drum Containment system (DCS).These advanced containment systems protect the environment by limiting the concentration of pollutants in ambient air. B. All our critical manufacturing operation are carried out through closed system and the reactors also are equipped with primary and secondary condensers with RT water or +5°C chilled water utility to prevent emission of Vocs. Refer to **annexure -18 & 19.**
4.	Transportation of materials by rail/conveyor belt, wherever feasible.	Complied. The loading of coal to boiler. The coal is transferred to boiler using closed conveyor belt. Refer to **annexure – 7.**
5.	Encourage use of cleaner fuels (pet coke/furnace oil/LSHS may be avoided).	Noted and being followed. We have avoided the furnace oil.
6.	Best Available Technology may be used. For example; usage of EAF/SAF/lF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology.	Noted and being followed.
7.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33 %, wherever feasible.	Complied. Noted and shall follow the same as per the

		board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Development of greenbelt in & around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached. Refer to annexure -21.
8.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc,	Complied 1. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 2. Development of green cover 3.5 acres in lease land as part of social forestry initiative.
9.	Assessment of carrying capacity of transportation load on roads inside the industrial premises. If the roads required to be widened, shall be prescribed as a condition.	Noted and being followed.

B. Water:

Stipulation of condition such as :		
1.	Reuse/recycle of treated waste water, wherever feasible.	Complied. Recycled water is being used in cooling towers as make up water.
2.	Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting)	Complied. The strong dedicated team manage the effluent in efficient manner on daily. The standard operation procedure is in place for management of effluent and all employees of ETP are trained on the procedure. As per the procedure in house Discharge ion logbook is maintained as record. Preventive maintenance schedule is defined for all equipment's of ETP and maintenance is carried out at regular intervals by trained professionals.
3.	A detailed water harvesting plan may be submitted by the project proponent	Complied. Rain water management : A. Storm water shall not be allowed to mix with effluent and floor washing. B. Spill kits are provided across all the plants. Dyke walls /curb walls are provided wherever required towards secondary containment. C. All the site walkways & building pathways at site are provided with uniform sloping to drive the water towards the drainages & storm drain system. D. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining & catch basins. E. We have provided adequate rainwater storage tank. F. The rainwater used to utilities as makeup.

4.	Zero liquid discharge wherever Techno Economically feasible	Noted and being followed. we are following the highest standards of environmental management. We have systematic method for collection and treatment of all types of effluent. Our facility is equipped with Zero Liquid Discharge (ZLDS). The ZLDS facility includes following components: A. Stripper B. Multiple Effect Evaporator (MEE) C. Agitated Thin Film Dryer (ATFD) D. Primary & biological treatment E. Reverse Osmosis (RO) system. The tanks are provided with impervious acid proof lining to prevent any kind of spillage of effluent. The collected effluent is transferred to treatment facility through closed transfer system provided with SS / HDPE / rigid pipelines, compatible gaskets for pipeline and flange guard provided for HCL pipeline. The entire area of ETP facility is provided with hard flooring and acid resistance impervious lining for hazard operation areas and leak prevention. All the collection tanks and the ETP area is provided with adequate secondary containment to prevent any spills leaking into the environment. We have in-house ETP laboratory and the effluent generated are analyzed for quality parameters in this lab. ZLDS facility photographs are attached. **Refer to annexure -10.**
5.	In case, domestic waste water generation is more than 10 KLD, the industry may install STP.	Complied. We have installed Sewage treatment plant (STP) and the domestic effluent is being treated in STP. STP plant and flow scheme attached as **Annexure-29.**

C.Land:

Stipulation of condition such as :		
1.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.	Complied. Noted and shall follow the same as per the board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Development of greenbelt in & around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached. Refer to annexure -21
2.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Complied 1. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 2. Development of green cover 3.5 acres in lease land as part of social forestry initiative.
3.	Dumping of waste (fly ash, slag, red mud, etc.) may be	Noted and being followed.

	permitted only at designated locations approved by SPCBs/ PCCs.	
4.	More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.	Noted and being followed. This is being disposed to pollution control board approved Co-Processing / Pre-processing / Authorised Recycler facilities through authorized hazardous waste transporter as per mentioned in Hazardous waste authorization.

D.Other Condition (Additional)

1.	Monitoring of compliance of EC conditions may be submitted with third party audit every year.	Noted and will be complied.
2.	The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	Complied and on-going. 1. As per mentioned in OM (F.No.22-65/2017-IA.III dated 1-5-2018 of MoEF&CC had laid down certain guidelines regarding CER. According to the guidelines, CER was carried out. 2. There's good traction with the livelihood program, where the programs are reached to surrounding villages. For full details refer to **annexure –22.**

Environmental clearance No. SEIAA 36 IND 2020, Dtd: 28-Aug-2020. Accorded by State level Environment impact Assessment Authority -Karnataka (Constituted by MOEF, Government of India).

Name and Address of the Project: Sai Life Sciences Ltd.,
Unit-IV,
Plot No.79A, 79B, 80A, 80B, 81A, 82 &130A,
Kolhar Industrial Area,
Bidar Taluk &District-585403,
Karnataka State.

I.Statutory Compliance:

Sl.No	Specific Conditions	Compliance Status
i	The project proponent shall obtain forest clearance under the provision of forest (conservation) Act, 1986 in case of the diversion of forest plant or non-forest plant purpose involved in the project.	Not applicable The project site is located in notified industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable The project site is located in Notified Industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
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 six-monthly compliance report.(In case of presence of schedule-1 species in the study area)	Not applicable The project site is located in Notified Industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
iv	The project proponent shall obtained consent to establish / operate under the provisions of air (Prevention and control of pollution) Act, 1981 and the water (Prevention and control of pollution) Act, 1974 from the concerned state pollution control board / committee.	Complied. We have received of consent for establish (CFE) from Karnataka state pollution control board. Consent order No: 321677. Dtd: 19-Oct-2020. CFE copy is attached as **annexure -1**.
v	The project proponent shall be obtain authorization under the hazardous and other waste management rules,2016 as amended from time to time.	Complied. Noted and shall follow the same as per the MOEF / PCB rules and guidelines.

		We have received of Hazardous waste authorization from Karnataka state pollution control board. Hazardous waste authorization No: 334722. Dtd: 02-Dec-2022. Hazardous waste authorization copy is attached as **annexure -2**.
vi	The company shall strictly comply with the rules and guidelines under the 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	Complied. We have received of PESO license from PESO organization. License No: P/HQ/KA/15/2757 (P271989) received on : 21-Oct-2022, Valid up to:31-Dec-2026 1. Every container containing hazardous chemicals has been labelled. 2. Noted and being followed the same as per the MSIHC rules and guidelines.

II. Air quality monitoring and preservation:

i	The project shall install 24*7 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 system from time to time according to equipment supplier specification through labs recognized under environmental (Protection)Act,1986 or NABL accredited laboratories	Noted. 1. Installed online continuous stack emission monitoring system (OCEMS) for Boiler stack, this real time data connected to KSPCB / CPCB server. 2. Our OCEMS flow meter and emission sensor have been calibrated by recognized laboratories. Web portal screenshot of KSPCB / CPCB live data streaming and Calibration reports are attached as **annexure-3.**
ii	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under environment (Protection) Act,1986.	Complied. 1. Fugitive emissions are monitored by approved NABL/MOEF laboratories. 2. Fugitive emission monitoring are being carried out (Once in three months) and the reports are attached as **annexure-4.**

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 SO_2 and NOx in reference to SO_2 and NO_x emissions) within and outside the plant area at least at four locations (One within and three outside the plant area at angle of 120 each), covering upwind and downwind directions.	Noted. It will be complied. Present we are monitored of Ambient Air quality (4 Locations) through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. AAQMS monitoring reports are attached as **nnexure-5.**
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 emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Complied. Our boilers works on fluidized bed technology for effective combustion and has pulsating fiber glass bag filters for efficient emission control. The emission parameters are regularly monitored through a PCB approved third party laboratory and the reports are also submitted to board on monthly basis. Ensured adequate stack heights for boilers. 3. Stack emission monitoring system (OCEMS) for Boiler stack, this real time data connected to KSPCB / CPCB server. Boiler coal Sulphur content report is attached as **annexure-6**
v	Storage of raw materials, coal etc. shall be either stored in silos or in covered area to prevent dust pollution and other fugitive emissions.	Complied. A. Boiler coal storage in closed shed and provided water mist to control dust dispersion into environment. B. Closed conveyor system to handle the coal loading activity. C. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM< 100 mg/Nm3). Dedicated coal storage shed, water mist system and closed conveyor system attached as **annexure-7.**
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.	Complied. Regular monitoring of Ambient air quality, process emission and treated effluent are being carried out. The monitoring report are being submitted

		to the KSPCB regional office-Bidar in regular intervals. Scrubbers, DG sets, Boiler stack and Treated effluent monitoring reports are attached as **annexure-8.**
vii	The national ambient air quality emission standards issued by ministry G.S.R NO. 826(E) dated 16th November, 2009 shall be complied with.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines. We have monitored of Ambient Air quality through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. AAQMS monitoring reports are attached as **nnexure-5.**

III.Water quality monitoring and preservation:

i	The project proponent shall be provide online continuous monitoring of effluents, 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 project achieving ZLD).	Complied. We have provided online continuous monitoring of effluents (OCEMS). Treated effluent flow meter connected to CPCB/KSPCB servers. Web portal screenshot of KSPCB / CPCB live data streaming and flowmeter with camera attached as **annexure-9.**
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 project achieving ZLD).	Complied. The unit has zero liquid discharge system (ZLDS). Comprising of Multiple effect evaporation system (MEE), Effluent treatment plant (ETP) and Reverse osmosis system (RO), and Effluent treated is used in cooling tower as a makeup. ZLDS facility photographs are attached as **annexure-10.**
iii	The effluent discharge shall conform to the standards prescribed under the environmental (Protection) Act, 1986, or as specified by the state pollution control board while granting consent under the Air/Water Act, Whichever is more stringent.	Complied. We have a Zero Liquid Discharge (ZLD) unit comprising of Biological ETP, Multiple Effect Evaporation system (MEE) and Reverse Osmosis (RO) Unit. Effluent treated is used in cooling tower as a makeup. Raw & treated effluent quality reports are

		submitting to the board regularly Treated effluent monitoring reports attached as **annexure-8 .**
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.	Complied. 1. Water Consumption is being monitored on daily basis and is being complied within limits. 2. Ground water extraction NOC received from KGWA on 23-July-2021. 3. We have submitted ground water NOC application to KGWA department for renewal. 4. Ground water NOC and submitted acknowledgement for NOC renewal attached as **annexure-11.**
v.	The process effluent/any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through separate conveyance system.	Complied. A. Storm water not mixed with effluent and floor washing. B. Spill kits are provided across all the plants. Dyke walls /curb walls are provided wherever required towards secondary containment. C. All the site walkways & building pathways at site are provided with uniform sloping to drive the water towards the drainages & storm drain system. D. We have provided adequate rainwater storage tank. Secondary containment and Rainwater collection tank attached as **annexure-12.**
vi	The company shall harvest rain water from the roof tops of the building and storm water drain to recharge the ground water and utilize the same for different industrial operations within the plant.	Complied. A. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining & catch basins. B. We have provided adequate rainwater collection and storage tank. C. Rainwater collection tank is attached as **annexure-12.**

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 the this regard.	Complied. A. All DG sets are provided with acoustic enclosures and stack height are adequate. B. Emissions are monitored by approved third party laboratories and reports are being submitted to Regional office on monthly basis. DG sets stack is included in **Annexures 13.** DG sets emission monitoring reports are attached as **annexure-8**

IV. Noise monitoring and prevention:

i	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied. A. All DG sets are provided with acoustic enclosures. DG sets acoustic enclosure attached as **annexure-14.**
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.	Complied. A. Noise levels monitoring is done at regular intervals. Noise levels report are being submitted to the PCB board regularly. B. Used proper lubrication to avoid excessive noise generation. C. All DG sets are provided with acoustic enclosures. D. Preventive maintenance in place and extended to all equipment's performed by qualified of maintenance team. Noise level monitoring reports are attached as **annexure-15.**
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	Complied. It is being followed. Noise levels monitoring is done at regular intervals. Noise levels report are being submitted to the PCB board regularly.

		Noise level monitoring reports are attached as **annexure-15.**

V. Energy Conservation measures:

i	The energy sources for lighting purposes shall preferably be LED based.	Complied. The energy conservation measures in unit and LED lights provided for lighting purpose.

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.	Complied. Solvent storage tank farm is equipped with nitrogen padding facility. Vents are equipped with flame arrestor, breather valve and Back pressure relief valves. Nitrogen blanketing system, earth rite system and foam flooding system are provided in tank farm area. Foam flooding automatic system is pro vided in drum shed area. Refer to **annexure -16.**
ii		Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Noted and being followed. This is being disposed to pollution control board approved Co-Processing / Pre-processing / Authorised Recycler facilities through authorized hazardous waste transporter as per mentioned in Hazardous waste authorization.
iii. The company shall undertake waste minimization measures as below			
iii.	a.	Metering and control of quantities of active ingredients to minimize waste.	Waste minimization efforts are on-going and close monitoring of waste generation is in place
	b.	Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Noted and being followed

	c.	Use of automated filling to minimize spillage.	Complied. 1).Liquids are transferred from centralized tank farm area to process plants through dedicated closed pipelines and suitable MOC through an automated system. 2).Level controllers / Indicators are available in the reactors and storage tanks. **Refer to annexure -17.**
	d.	Use of close feed system into batch reactors.	Complied. All powders are transferred through Powder Transfer System (PTS) and glove boxes. And liquids are transferred by applying vacuum or closed charging by pumps. **Refer to annexure -18.**
	e.	Venting equipment through Vapour recovery system.	Complied Heat exchangers are provided wherever necessary. On need basis secondary /vent condensers are also provided with brine /chilled water cooling circulation system. **Refer to annexure -19.**
	f.	Use of high pressure hoses for equipment clearing to reduce waste water generation.	Complied. CIP system and high pressure water jet machines are in place to reduce the waste water generation. Attached the photographs of CIP system. **Refer to annexure -20.**

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.	Noted and shall follow the same as per the board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants

		already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Greenbelt photographs are attached **Refer to annexure -21**.

VIII.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.	Complied. The risk Assessment(HIRA) has been included in on-site emergency plan.
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.	Complied. Entire site is covered with dedicated fire hydrant system which is kept in 'auto' mode. Electrical pump, Diesel pump and Jockey pump are made available in fire pump house which are hooked to a dedicated fire water reservoir. Aqueous Film Forming Foam (AFFF) solution is maintained at strategic locations. Portable fire extinguishers are placed at strategic locations across the site. Fire Extinguishers of different types like Dry Powder, Carbon dioxide, and Mechanical Foam are available. We also having 60 Members of Emergency Response Team (ERT Members) and they have undergone special training from the Fire department. We have engaged one retired District Fire officer for the Fire Fighting training and he visits the site once in 2 days and conducts the training to all the ERT members.
iii	The PP shall provide Personal Protection Equipment	Complied.

	(PPE) as per the norms of Factory Act.	Various types of PPE are maintained and distributed to workers on regular basis.
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.	Complied. A. HSE induction and fresher training imparted to employees and workers. Training organized through Annual HSE Training Calendar. Training records are being maintained. B. Trained "Emergency Response Team (ERT)" members present in all shifts to mitigate any emergency situation. ERT members given various training on fire fighting, first-aid, evacuation & rescue through practical drills.
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.	The condition is not applicable, We are using precast concrete parts like, concrete beams, columns, walls, roofs for construction.
vi	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Annual medical check-ups are performed for employees and workers. Fully equipped Occupational Health Centre is established within the premises which is monitored by qualified Doctor.
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.	Complied. We have provided of dedicated area for raw material, solvent tanks and finished products vehicles.

IX. Corporate Environment Responsibility:

1.	The project authorities shall undertake activities under Corporate Environment Responsibility (CER) with a total cost of not less than Rs. 150 Lakhs contribution towards PM citizen Assistance and Relief in Emergency situations Fund in accordance with the O.M.F. No.22-65/2017-IA.III dated 01st May 2018 and report be submitted to the Authority.	Complied and on-going. 1. As per mentioned in OM (F.No.22-65/2017-IA.III dated 1-5-2018 of MoEF&CC had laid down certain guidelines regarding CER. According to the guidelines, CER was carried out. 2. There's good traction with the livelihood program, where the programs are reached to surrounding villages. For full details refer to **annexure –22**

2.	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 shareholders / 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.	Complied. Organization has well laid down Health, Safety & Environmental policy duly approved by its Chairman and Managing director &CEO. Refer to **annexure – 23**.
3.	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.	Complied A separate Health, Safety & Environmental (HSE) management cell being established. Organogram is attached. Refer to **annexure – 24.**
4.	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.	Complied **a.** We have allocated budget for Environment, health & Safety. **b.** Monthly allocated budget and purchase details. For full details refer to **annexure-25**. **c.** We had taken several environmental management programs. For full details refer to **annexure-25.**
5.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied. Self-environment audit was conducted on 21-Sep-2023, for full details refer to **Annexure-26**. We are conducted environmental audit through Robust material technology PVT, Ltd on 26-Oct-2023. Audit report was submitted to department on 01-Dec-2023. For reference attached submitted acknowledgement. Refer to **Annexure-26.**

X.Miscellaneous:

1.	Effort shall be made to replace Hexane, Toluene and Bromine by alternatives as per the SEAC condition.	Noted. And will be followed.
2.	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.	Complied. 1. Paper advertisement given on 01-October-2020 in Regional language and English language news papers. 2. EC copy is now available at https://www.sailife.com (Our website) Refer to annexure – 27.
3.	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.	Complied. Intimated to KSPCB-RO office, MOEF office, Member secretary-SEIAA regarding obtaining new EC. Acknowledgement copies are attached. **Refer to annexure – 28**.
4.	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.	Noted and being followed. Our EC half-yearly compliance has been uploaded at https://www.sailife.com (Our website)
5.	The project proponent shall monitor the criteria pollutants level namely; PM 10, SO_2, 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.	Complied 1. AAQMS & S Stack emissions are monitored through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. 2. A Display board of ambient air quality /Stack emission monitoring reports are displayed at the main gate. 3. Uploaded on the company website, which is updated every six months. Refer to **annexure – 5 & 8**
6.	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.	Noted and being followed. Our EC half-yearly compliance has been uploaded at https://parivesh.nic.in/parivesh-ua/#/
7.	The HYCRs with its contents of a covering letter, compliance reports, and environmental monitoring data has to be in PDF format merged in to a single document. The email should be 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	Noted and being followed 1. Our EC half-yearly compliance have sent to rosz.bng-mefcc@gov.i n

	copy of HYCRs shall not be acceptable".	
8.	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.	Noted and being followed. Form-V is now available at https://www.sailife.com (Our website)
9.	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.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
10.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
11.	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.	Noted and being followed.
12.	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).	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
13.	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.	Noted.
14.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
15.	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
16.	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.	Noted and being followed.
17.	The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention and control of pollution) Act, 1981, the Environment (Protection) Act, 1986, hazardous and other wastes (Management and	Noted.

	Trans boundary 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.	
18.	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.	Noted.
19.	The project proponent shall adopt and comply all the mechanism included by the MOEF&CC which is given in the Annexure-I and shall be abide by the conditions there on. The project proponent shall undertake all necessary steps to bring down the CEPI score of the industrial area and the improve the environment condition in accordance with the mechanism evolved by MOEF & CC.	Noted and will be complied.

ANNEXURE-II

Additional condition as per the Mechanism evolved by MOEF&CC as compliance to the orders of Honorable NGT dated 19-August-2019 in OA No.1038 0f 2018.

Environment Mitigation Measures

A. Air :

Stipulation of condition such as :		
1.	Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.	Complied. A. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM< 100 mg/Nm3). B. Cyclone separator installed followed by the bag filter and stack height is in line with norms. Refer to **annexure – 6**.

2.	CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.	Noted. 1. Installed online continuous stack emission monitoring system (CSEMS) for Boiler stack, this real time data connected to KSPCB/CPCB server. 2. We are being submitted reports to KSPCB regional office on monthly basis of boiler stack SPM (mg/Nm3) Minimum, Maximum, Average valves. Refer to **annexure-3 & 6**
3.	Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	Complied. Adequate control measure are available for minimizing the fugitive emission from all the vulnerable sources. A. We have installed Powder transfer system (PTS), Glove box and drum Containment system (DCS).These advanced containment systems protect the environment by limiting the concentration of pollutants in ambient air. B. All our critical manufacturing operation are carried out through closed system and the reactors also are equipped with primary and secondary condensers with RT water or +5°C chilled water utility to prevent emission of Vocs. Refer to **annexure -18 & 19.**
4.	Transportation of materials by rail/conveyor belt, wherever feasible.	Complied. The loading of coal to boiler. The coal is transferred to boiler using closed conveyor belt. Refer to **annexure – 7.**
5.	Encourage use of cleaner fuels (pet coke/furnace oil/LSHS may be avoided).	Noted and being followed. We have avoided the furnace oil.
6.	Best Available Technology may be used. For example; usage of EAF/SAF/lF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology.	Noted and being followed.
7.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33 %, wherever feasible.	Complied. Noted and shall follow the same as per the

		board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Development of greenbelt in & around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached. Refer to annexure -21.
8.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc,	Complied 1. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 2. Development of green cover 3.5 acres in lease land as part of social forestry initiative.
9.	Assessment of carrying capacity of transportation load on roads inside the industrial premises. If the roads required to be widened, shall be prescribed as a condition.	Noted and being followed.

B. Water:

Stipulation of condition such as :		
1.	Reuse/recycle of treated waste water, wherever feasible.	Complied. Recycled water is being used in cooling towers as make up water.
2.	Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting)	Complied. The strong dedicated team manage the effluent in efficient manner on daily. The standard operation procedure is in place for management of effluent and all employees of ETP are trained on the procedure. As per the procedure in house Discharge ion logbook is maintained as record. Preventive maintenance schedule is defined for all equipment's of ETP and maintenance is carried out at regular intervals by trained professionals.
3.	A detailed water harvesting plan may be submitted by the project proponent	Complied. Rain water management : A. Storm water shall not be allowed to mix with effluent and floor washing. B. Spill kits are provided across all the plants. Dyke walls /curb walls are provided wherever required towards secondary containment. C. All the site walkways & building pathways at site are provided with uniform sloping to drive the water towards the drainages & storm drain system. D. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining & catch basins. E. We have provided adequate rainwater storage tank. F. The rainwater used to utilities as makeup.

4.	Zero liquid discharge wherever Techno Economically feasible	Noted and being followed. we are following the highest standards of environmental management. We have systematic method for collection and treatment of all types of effluent. Our facility is equipped with Zero Liquid Discharge (ZLDS). The ZLDS facility includes following components: A. Stripper B. Multiple Effect Evaporator (MEE) C. Agitated Thin Film Dryer (ATFD) D. Primary & biological treatment E. Reverse Osmosis (RO) system. The tanks are provided with impervious acid proof lining to prevent any kind of spillage of effluent. The collected effluent is transferred to treatment facility through closed transfer system provided with SS / HDPE / rigid pipelines, compatible gaskets for pipeline and flange guard provided for HCL pipeline. The entire area of ETP facility is provided with hard flooring and acid resistance impervious lining for hazard operation areas and leak prevention. All the collection tanks and the ETP area is provided with adequate secondary containment to prevent any spills leaking into the environment. We have in-house ETP laboratory and the effluent generated are analyzed for quality parameters in this lab. ZLDS facility photographs are attached. **Refer to annexure -10.**
5.	In case, domestic waste water generation is more than 10 KLD, the industry may install STP.	Complied. We have installed Sewage treatment plant (STP) and the domestic effluent is being treated in STP. STP plant and flow scheme attached as **Annexure-29.**

C.Land:

Stipulation of condition such as :		
1.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.	Complied. Noted and shall follow the same as per the board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Development of greenbelt in & around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached. Refer to annexure -21
2.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Complied 1. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 2. Development of green cover 3.5 acres in lease land as part of social forestry initiative.
3.	Dumping of waste (fly ash, slag, red mud, etc.) may be	Noted and being followed.

	permitted only at designated locations approved by SPCBs/ PCCs.	
4.	More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.	Noted and being followed. This is being disposed to pollution control board approved Co-Processing / Pre-processing / Authorised Recycler facilities through authorized hazardous waste transporter as per mentioned in Hazardous waste authorization.

D.Other Condition (Additional)

1.	Monitoring of compliance of EC conditions may be submitted with third party audit every year.	Noted and will be complied.
2.	The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	Complied and on-going. 1. As per mentioned in OM (F.No.22-65/2017-IA.III dated 1-5-2018 of MoEF&CC had laid down certain guidelines regarding CER. According to the guidelines, CER was carried out. 2. There's good traction with the livelihood program, where the programs are reached to surrounding villages. For full details refer to **annexure –22.**

Environmental clearance No. SEIAA 36 IND 2020, Dtd: 28-Aug-2020. Accorded by State level Environment impact Assessment Authority -Karnataka (Constituted by MOEF, Government of India).

Name and Address of the Project: Sai Life Sciences Ltd.,
Unit-IV,
Plot No.79A, 79B, 80A, 80B, 81A, 82 &130A,
Kolhar Industrial Area,
Bidar Taluk &District-585403,
Karnataka State.

I.Statutory Compliance:

Sl.No	Specific Conditions	Compliance Status
i	The project proponent shall obtain forest clearance under the provision of forest (conservation) Act, 1986 in case of the diversion of forest plant or non-forest plant purpose involved in the project.	Not applicable The project site is located in notified industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable The project site is located in Notified Industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
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 six-monthly compliance report.(In case of presence of schedule-1 species in the study area)	Not applicable The project site is located in Notified Industrial area- Kolhar KIADB (Karnataka Industrial area development Board)
iv	The project proponent shall obtained consent to establish / operate under the provisions of air (Prevention and control of pollution) Act, 1981 and the water (Prevention and control of pollution) Act, 1974 from the concerned state pollution control board / committee.	Complied. We have received of consent for establish (CFE) from Karnataka state pollution control board. Consent order No: 321677. Dtd: 19-Oct-2020. CFE copy is attached as **annexure -1**.
v	The project proponent shall be obtain authorization under the hazardous and other waste management rules,2016 as amended from time to time.	Complied. Noted and shall follow the same as per the MOEF / PCB rules and guidelines.

		We have received of Hazardous waste authorization from Karnataka state pollution control board. Hazardous waste authorization No: 334722. Dtd: 02-Dec-2022. Hazardous waste authorization copy is attached as **annexure -2**.
vi	The company shall strictly comply with the rules and guidelines under the 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	Complied. We have received of PESO license from PESO organization. License No: P/HQ/KA/15/2757 (P271989) received on : 21-Oct-2022, Valid up to:31-Dec-2026 1. Every container containing hazardous chemicals has been labelled. 2. Noted and being followed the same as per the MSIHC rules and guidelines.

II. Air quality monitoring and preservation:

i	The project shall install 24*7 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 system from time to time according to equipment supplier specification through labs recognized under environmental (Protection)Act,1986 or NABL accredited laboratories	Noted. 1. Installed online continuous stack emission monitoring system (OCEMS) for Boiler stack, this real time data connected to KSPCB / CPCB server. 2. Our OCEMS flow meter and emission sensor have been calibrated by recognized laboratories. Web portal screenshot of KSPCB / CPCB live data streaming and Calibration reports are attached as **annexure-3.**
ii	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under environment (Protection) Act,1986.	Complied. 1. Fugitive emissions are monitored by approved NABL/MOEF laboratories. 2. Fugitive emission monitoring are being carried out (Once in three months) and the reports are attached as **annexure-4.**

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 SO_2 and NOx in reference to SO_2 and NO_x emissions) within and outside the plant area at least at four locations (One within and three outside the plant area at angle of 120 each), covering upwind and downwind directions.	Noted. It will be complied. Present we are monitored of Ambient Air quality (4 Locations) through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. AAQMS monitoring reports are attached as **nnexure-5.**
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 emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Complied. Our boilers works on fluidized bed technology for effective combustion and has pulsating fiber glass bag filters for efficient emission control. The emission parameters are regularly monitored through a PCB approved third party laboratory and the reports are also submitted to board on monthly basis. Ensured adequate stack heights for boilers. 3. Stack emission monitoring system (OCEMS) for Boiler stack, this real time data connected to KSPCB / CPCB server. Boiler coal Sulphur content report is attached as **annexure-6**
v	Storage of raw materials, coal etc. shall be either stored in silos or in covered area to prevent dust pollution and other fugitive emissions.	Complied. A. Boiler coal storage in closed shed and provided water mist to control dust dispersion into environment. B. Closed conveyor system to handle the coal loading activity. C. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM< 100 mg/Nm3). Dedicated coal storage shed, water mist system and closed conveyor system attached as **annexure-7.**
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.	Complied. Regular monitoring of Ambient air quality, process emission and treated effluent are being carried out. The monitoring report are being submitted

		to the KSPCB regional office-Bidar in regular intervals. Scrubbers, DG sets, Boiler stack and Treated effluent monitoring reports are attached as **annexure-8.**
vii	The national ambient air quality emission standards issued by ministry G.S.R NO. 826(E) dated 16th November, 2009 shall be complied with.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines. We have monitored of Ambient Air quality through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. AAQMS monitoring reports are attached as **nnexure-5.**

III.Water quality monitoring and preservation:

i	The project proponent shall be provide online continuous monitoring of effluents, 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 project achieving ZLD).	Complied. We have provided online continuous monitoring of effluents (OCEMS). Treated effluent flow meter connected to CPCB/KSPCB servers. Web portal screenshot of KSPCB / CPCB live data streaming and flowmeter with camera attached as **annexure-9.**
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 project achieving ZLD).	Complied. The unit has zero liquid discharge system (ZLDS). Comprising of Multiple effect evaporation system (MEE), Effluent treatment plant (ETP) and Reverse osmosis system (RO), and Effluent treated is used in cooling tower as a makeup. ZLDS facility photographs are attached as **annexure-10.**
iii	The effluent discharge shall conform to the standards prescribed under the environmental (Protection) Act, 1986, or as specified by the state pollution control board while granting consent under the Air/Water Act, Whichever is more stringent.	Complied. We have a Zero Liquid Discharge (ZLD) unit comprising of Biological ETP, Multiple Effect Evaporation system (MEE) and Reverse Osmosis (RO) Unit. Effluent treated is used in cooling tower as a makeup. Raw & treated effluent quality reports are

		submitting to the board regularly Treated effluent monitoring reports attached as **annexure-8 .**
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.	Complied. 1. Water Consumption is being monitored on daily basis and is being complied within limits. 2. Ground water extraction NOC received from KGWA on 23-July-2021. 3. We have submitted ground water NOC application to KGWA department for renewal. 4. Ground water NOC and submitted acknowledgement for NOC renewal attached as **annexure-11.**
v.	The process effluent/any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through separate conveyance system.	Complied. A. Storm water not mixed with effluent and floor washing. B. Spill kits are provided across all the plants. Dyke walls /curb walls are provided wherever required towards secondary containment. C. All the site walkways & building pathways at site are provided with uniform sloping to drive the water towards the drainages & storm drain system. D. We have provided adequate rainwater storage tank. Secondary containment and Rainwater collection tank attached as **annexure-12.**
vi	The company shall harvest rain water from the roof tops of the building and storm water drain to recharge the ground water and utilize the same for different industrial operations within the plant.	Complied. A. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining & catch basins. B. We have provided adequate rainwater collection and storage tank. C. Rainwater collection tank is attached as **annexure-12.**

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 the this regard.	Complied. A. All DG sets are provided with acoustic enclosures and stack height are adequate. B. Emissions are monitored by approved third party laboratories and reports are being submitted to Regional office on monthly basis. DG sets stack is included in **Annexures 13.** DG sets emission monitoring reports are attached as **annexure-8**

IV. Noise monitoring and prevention:

i	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied. A. All DG sets are provided with acoustic enclosures. DG sets acoustic enclosure attached as **annexure-14.**
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.	Complied. A. Noise levels monitoring is done at regular intervals. Noise levels report are being submitted to the PCB board regularly. B. Used proper lubrication to avoid excessive noise generation. C. All DG sets are provided with acoustic enclosures. D. Preventive maintenance in place and extended to all equipment's performed by qualified of maintenance team. Noise level monitoring reports are attached as **annexure-15.**
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	Complied. It is being followed. Noise levels monitoring is done at regular intervals. Noise levels report are being submitted to the PCB board regularly.

		Noise level monitoring reports are attached as **annexure-15.**

V. Energy Conservation measures:

i	The energy sources for lighting purposes shall preferably be LED based.	Complied. The energy conservation measures in unit and LED lights provided for lighting purpose.

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.	Complied. Solvent storage tank farm is equipped with nitrogen padding facility. Vents are equipped with flame arrestor, breather valve and Back pressure relief valves. Nitrogen blanketing system, earth rite system and foam flooding system are provided in tank farm area. Foam flooding automatic system is pro vided in drum shed area. Refer to **annexure -16.**
ii		Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Noted and being followed. This is being disposed to pollution control board approved Co-Processing / Pre-processing / Authorised Recycler facilities through authorized hazardous waste transporter as per mentioned in Hazardous waste authorization.
iii. The company shall undertake waste minimization measures as below			
iii.	a.	Metering and control of quantities of active ingredients to minimize waste.	Waste minimization efforts are on-going and close monitoring of waste generation is in place
	b.	Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Noted and being followed

	c.	Use of automated filling to minimize spillage.	Complied. 1).Liquids are transferred from centralized tank farm area to process plants through dedicated closed pipelines and suitable MOC through an automated system. 2).Level controllers / Indicators are available in the reactors and storage tanks. **Refer to annexure -17.**
	d.	Use of close feed system into batch reactors.	Complied. All powders are transferred through Powder Transfer System (PTS) and glove boxes. And liquids are transferred by applying vacuum or closed charging by pumps. **Refer to annexure -18.**
	e.	Venting equipment through Vapour recovery system.	Complied Heat exchangers are provided wherever necessary. On need basis secondary /vent condensers are also provided with brine /chilled water cooling circulation system. **Refer to annexure -19.**
	f.	Use of high pressure hoses for equipment clearing to reduce waste water generation.	Complied. CIP system and high pressure water jet machines are in place to reduce the waste water generation. Attached the photographs of CIP system. **Refer to annexure -20.**

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.	Noted and shall follow the same as per the board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants

		already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Greenbelt photographs are attached **Refer to annexure -21**.

VIII.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.	Complied. The risk Assessment(HIRA) has been included in on-site emergency plan.
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.	Complied. Entire site is covered with dedicated fire hydrant system which is kept in 'auto' mode. Electrical pump, Diesel pump and Jockey pump are made available in fire pump house which are hooked to a dedicated fire water reservoir. Aqueous Film Forming Foam (AFFF) solution is maintained at strategic locations. Portable fire extinguishers are placed at strategic locations across the site. Fire Extinguishers of different types like Dry Powder, Carbon dioxide, and Mechanical Foam are available. We also having 60 Members of Emergency Response Team (ERT Members) and they have undergone special training from the Fire department. We have engaged one retired District Fire officer for the Fire Fighting training and he visits the site once in 2 days and conducts the training to all the ERT members.
iii	The PP shall provide Personal Protection Equipment	Complied.

	(PPE) as per the norms of Factory Act.	Various types of PPE are maintained and distributed to workers on regular basis.
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.	Complied. A. HSE induction and fresher training imparted to employees and workers. Training organized through Annual HSE Training Calendar. Training records are being maintained. B. Trained "Emergency Response Team (ERT)" members present in all shifts to mitigate any emergency situation. ERT members given various training on fire fighting, first-aid, evacuation & rescue through practical drills.
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.	The condition is not applicable, We are using precast concrete parts like, concrete beams, columns, walls, roofs for construction.
vi	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Annual medical check-ups are performed for employees and workers. Fully equipped Occupational Health Centre is established within the premises which is monitored by qualified Doctor.
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.	Complied. We have provided of dedicated area for raw material, solvent tanks and finished products vehicles.

IX. Corporate Environment Responsibility:

1.	The project authorities shall undertake activities under Corporate Environment Responsibility (CER) with a total cost of not less than Rs. 150 Lakhs contribution towards PM citizen Assistance and Relief in Emergency situations Fund in accordance with the O.M.F. No.22-65/2017-IA.III dated 01st May 2018 and report be submitted to the Authority.	Complied and on-going. 1. As per mentioned in OM (F.No.22-65/2017-IA.III dated 1-5-2018 of MoEF&CC had laid down certain guidelines regarding CER. According to the guidelines, CER was carried out. 2. There's good traction with the livelihood program, where the programs are reached to surrounding villages. For full details refer to **annexure –22**

2.	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 shareholders / 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.	Complied. Organization has well laid down Health, Safety & Environmental policy duly approved by its Chairman and Managing director &CEO. Refer to **annexure – 23**.
3.	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.	Complied A separate Health, Safety & Environmental (HSE) management cell being established. Organogram is attached. Refer to **annexure – 24.**
4.	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.	Complied **a.** We have allocated budget for Environment, health & Safety. **b.** Monthly allocated budget and purchase details. For full details refer to **annexure-25**. **c.** We had taken several environmental management programs. For full details refer to **annexure-25.**
5.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied. Self-environment audit was conducted on 21-Sep-2023, for full details refer to **Annexure-26**. We are conducted environmental audit through Robust material technology PVT, Ltd on 26-Oct-2023. Audit report was submitted to department on 01-Dec-2023. For reference attached submitted acknowledgement. Refer to **Annexure-26.**

X.Miscellaneous:

1.	Effort shall be made to replace Hexane, Toluene and Bromine by alternatives as per the SEAC condition.	Noted. And will be followed.
2.	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.	Complied. 1. Paper advertisement given on 01-October-2020 in Regional language and English language news papers. 2. EC copy is now available at https://www.sailife.com (Our website) Refer to annexure – 27.
3.	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.	Complied. Intimated to KSPCB-RO office, MOEF office, Member secretary-SEIAA regarding obtaining new EC. Acknowledgement copies are attached. **Refer to annexure – 28**.
4.	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.	Noted and being followed. Our EC half-yearly compliance has been uploaded at https://www.sailife.com (Our website)
5.	The project proponent shall monitor the criteria pollutants level namely; PM 10, SO_2, 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.	Complied 1. AAQMS & S Stack emissions are monitored through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. 2. A Display board of ambient air quality /Stack emission monitoring reports are displayed at the main gate. 3. Uploaded on the company website, which is updated every six months. Refer to **annexure – 5 & 8**
6.	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.	Noted and being followed. Our EC half-yearly compliance has been uploaded at https://parivesh.nic.in/parivesh-ua/#/
7.	The HYCRs with its contents of a covering letter, compliance reports, and environmental monitoring data has to be in PDF format merged in to a single document. The email should be 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	Noted and being followed 1. Our EC half-yearly compliance have sent to rosz.bng-mefcc@gov.i n

	copy of HYCRs shall not be acceptable".	
8.	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.	Noted and being followed. Form-V is now available at https://www.sailife.com (Our website)
9.	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.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
10.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
11.	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.	Noted and being followed.
12.	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).	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
13.	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.	Noted.
14.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
15.	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
16.	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.	Noted and being followed.
17.	The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention and control of pollution) Act, 1981, the Environment (Protection) Act, 1986, hazardous and other wastes (Management and	Noted.

	Trans boundary 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.	
18.	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.	Noted.
19.	The project proponent shall adopt and comply all the mechanism included by the MOEF&CC which is given in the Annexure-I and shall be abide by the conditions there on. The project proponent shall undertake all necessary steps to bring down the CEPI score of the industrial area and the improve the environment condition in accordance with the mechanism evolved by MOEF & CC.	Noted and will be complied.

ANNEXURE-II

Additional condition as per the Mechanism evolved by MOEF&CC as compliance to the orders of Honorable NGT dated 19-August-2019 in OA No.1038 0f 2018.

Environment Mitigation Measures

A. Air :

Stipulation of condition such as :		
1.	Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.	Complied. A. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM< 100 mg/Nm3). B. Cyclone separator installed followed by the bag filter and stack height is in line with norms. Refer to **annexure – 6**.

2.	CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.	Noted. 1. Installed online continuous stack emission monitoring system (CSEMS) for Boiler stack, this real time data connected to KSPCB/CPCB server. 2. We are being submitted reports to KSPCB regional office on monthly basis of boiler stack SPM (mg/Nm3) Minimum, Maximum, Average valves. Refer to **annexure-3 & 6**
3.	Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	Complied. Adequate control measure are available for minimizing the fugitive emission from all the vulnerable sources. A. We have installed Powder transfer system (PTS), Glove box and drum Containment system (DCS).These advanced containment systems protect the environment by limiting the concentration of pollutants in ambient air. B. All our critical manufacturing operation are carried out through closed system and the reactors also are equipped with primary and secondary condensers with RT water or +5°C chilled water utility to prevent emission of Vocs. Refer to **annexure -18 & 19.**
4.	Transportation of materials by rail/conveyor belt, wherever feasible.	Complied. The loading of coal to boiler. The coal is transferred to boiler using closed conveyor belt. Refer to **annexure – 7.**
5.	Encourage use of cleaner fuels (pet coke/furnace oil/LSHS may be avoided).	Noted and being followed. We have avoided the furnace oil.
6.	Best Available Technology may be used. For example; usage of EAF/SAF/lF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology.	Noted and being followed.
7.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33 %, wherever feasible.	Complied. Noted and shall follow the same as per the

		board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Development of greenbelt in & around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached. Refer to annexure -21.
8.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc,	Complied 1. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 2. Development of green cover 3.5 acres in lease land as part of social forestry initiative.
9.	Assessment of carrying capacity of transportation load on roads inside the industrial premises. If the roads required to be widened, shall be prescribed as a condition.	Noted and being followed.

B. Water:

Stipulation of condition such as :		
1.	Reuse/recycle of treated waste water, wherever feasible.	Complied. Recycled water is being used in cooling towers as make up water.
2.	Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting)	Complied. The strong dedicated team manage the effluent in efficient manner on daily. The standard operation procedure is in place for management of effluent and all employees of ETP are trained on the procedure. As per the procedure in house Discharge ion logbook is maintained as record. Preventive maintenance schedule is defined for all equipment's of ETP and maintenance is carried out at regular intervals by trained professionals.
3.	A detailed water harvesting plan may be submitted by the project proponent	Complied. Rain water management : A. Storm water shall not be allowed to mix with effluent and floor washing. B. Spill kits are provided across all the plants. Dyke walls /curb walls are provided wherever required towards secondary containment. C. All the site walkways & building pathways at site are provided with uniform sloping to drive the water towards the drainages & storm drain system. D. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining & catch basins. E. We have provided adequate rainwater storage tank. F. The rainwater used to utilities as makeup.

4.	Zero liquid discharge wherever Techno Economically feasible	Noted and being followed. we are following the highest standards of environmental management. We have systematic method for collection and treatment of all types of effluent. Our facility is equipped with Zero Liquid Discharge (ZLDS). The ZLDS facility includes following components: A. Stripper B. Multiple Effect Evaporator (MEE) C. Agitated Thin Film Dryer (ATFD) D. Primary & biological treatment E. Reverse Osmosis (RO) system. The tanks are provided with impervious acid proof lining to prevent any kind of spillage of effluent. The collected effluent is transferred to treatment facility through closed transfer system provided with SS / HDPE / rigid pipelines, compatible gaskets for pipeline and flange guard provided for HCL pipeline. The entire area of ETP facility is provided with hard flooring and acid resistance impervious lining for hazard operation areas and leak prevention. All the collection tanks and the ETP area is provided with adequate secondary containment to prevent any spills leaking into the environment. We have in-house ETP laboratory and the effluent generated are analyzed for quality parameters in this lab. ZLDS facility photographs are attached. **Refer to annexure -10.**
5.	In case, domestic waste water generation is more than 10 KLD, the industry may install STP.	Complied. We have installed Sewage treatment plant (STP) and the domestic effluent is being treated in STP. STP plant and flow scheme attached as **Annexure-29.**

C.Land:

Stipulation of condition such as :		
1.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.	Complied. Noted and shall follow the same as per the board guidelines. 1. We have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover. The green belt covered up to 33.63% of total area (Including lease land green belt covered up to 42%). 2. Adequate area of green belt is available in our factory premises. 3. Development of greenbelt in & around the plant (Total 6678 no's of plants already planted). Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 3.5 acres in lease land as part of social forestry initiative. Development of greenbelt in & around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached. Refer to annexure -21
2.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Complied 1. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 2. Development of green cover 3.5 acres in lease land as part of social forestry initiative.
3.	Dumping of waste (fly ash, slag, red mud, etc.) may be	Noted and being followed.

	permitted only at designated locations approved by SPCBs/ PCCs.	
4.	More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.	Noted and being followed. This is being disposed to pollution control board approved Co-Processing / Pre-processing / Authorised Recycler facilities through authorized hazardous waste transporter as per mentioned in Hazardous waste authorization.

D.Other Condition (Additional)

1.	Monitoring of compliance of EC conditions may be submitted with third party audit every year.	Noted and will be complied.
2.	The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	Complied and on-going. 1. As per mentioned in OM (F.No.22-65/2017-IA.III dated 1-5-2018 of MoEF&CC had laid down certain guidelines regarding CER. According to the guidelines, CER was carried out. 2. There's good traction with the livelihood program, where the programs are reached to surrounding villages. For full details refer to **annexure –22.**

List of Annexures

Sr. No	Description	Annexure No
1	CFE Copy	Annexure - 1
2	Hazardous waste authorization copy	Annexure - 2
3	Web portal Screenshot of KSPCB / CPCB live data streaming and Calibration reports	Annexure - 3
4	Fugitive emission monitoring reports	Annexure - 4
5	Ambient air quality monitoring reports	Annexure - 5
6	Cyclone separator and bag filter & Stack emission monitoring report and Boiler coal Sulphur content report.	Annexure - 6
7	Dedicated coal storage shed, water mist system and closed conveyor system.	Annexure - 7
8	Scrubbers ,DG sets ,Boiler stack and Treated effluent monitoring reports	Annexure - 8
9	Web portal screenshot for CPCB and KSPCB live data streaming and Flow meter with camera	Annexure - 9
10	ZLDS facility photographs.	Annexure - 10
11	Ground water NOC and submitted acknowledgement for NOC renewal	Annexure - 11
12	Secondary containment & Rainwater collection tank.	Annexure - 12
13	Images of DG sets stack	Annexure - 13
14	Images of DG sets acoustic enclosure.	Annexure - 14
15	Noise level monitoring report.	Annexure - 15
16	Solvent storage tank farm area, Foam flooding system, Nitrogen blanketing system and Breather valve.	Annexure - 16
17	Reactor sampling device and Drum booth charging.	Annexure - 17
18	PTS, Glove box and DCS.	Annexure - 18
19	Double condenser and Vent condenser system.	Annexure - 19
20	High pressure water jet machine.	Annexure - 20
21	Greenbelt photographs.	Annexure - 21
22	Corporate Environment Responsibility (CER)	Annexure - 22
23	Health, Safety & Environmental policy.	Annexure – 23
24	Environmental (HSE) management cell organogram.	Annexure – 24.
25	Monthly allocated budget details and Environment management programs.	Annexure – 25.
26	Self-environment audit report & Environmental audit report submitted acknowledgement.	Annexure – 26.
27	Paper advertisement.	Annexure – 27
28	Intimated to KSPCB-RO office, regarding obtaining new EC-Acknowledgement copy.	Annexure – 28
29	STP plant and flow scheme.	Annexure – 29

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

Industry Colour: RED Industry Scale: LARGE

(This document contains 6 pages including annexure & excluding additional conditions)

Consent Order No: CTE-321677 **PCB ID:** 29163 **Date:** 19/11/2020

To,

The Applicant,

Sai Life Sciences Ltd.,

Sir,

Sub: Consent for Expansion of the unit in the Existing premises under the Water (Prevention & Control of Pollution) Act,1974 & the Air (Prevention & Control of Pollution) Act, 1981

Ref: 1.CFE expansion application submitted by the organization on 08/02/2017 at Regional Office KSPCB

2.Inspection of the project site by Regional Officer on 01/10/2020

3.Proceedings of the CCM date 27/10/2020 held on20/10/2020

With reference to the above, Karnataka State Pollution Control Board hereby accords **Consent for Expansion** of the unit in the existing premises under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981 at the location indicated below subject to the terms & conditions indicated in Schedule Annexed.

Location:

Name of the Industry: Sai Life Sciences Ltd.,

Address: Plot No.79B,80A,80B,81A,82,Kolhar Industrial Area,Bidar, Plot No.79B,80A,80B,81A,82, kolhar Industrial Area, Bidar

Industrial Area: Kohlar I.A, Bidar,

Taluk: Bidar, District: Bidar

CONDITIONS:

1. The Consent for Expansion is granted considering the following activities:

Sr	Product Name	CFE Qty	CFO Qty	Applied Qty/Month	Units	Existing/Proposed
1	act-674509 b	0.3300	0.000 - M.T	0.3300	M.T	Proposed
2	bay – 1142524	0.0830	0.000 - M.T	0.0830	M.T	Proposed
3	bcx-2477	0.0930	0.0930 - M.T	0.0250	M.T	Existing
4	benzidene triol	0.1250	0.1250 - M.T	0.0125	M.T	Existing
5	bilastine api	2.0830	2.0830 - M.T	2.5000	M.T	Existing
6	boc azetidinone (tetra butyl oxoacetidine carboxylate-tboc)	0.000	0.000 - M.T	0.000	M.T	Existing
7	boc-ketone	0.1670	0.1670 - M.T	0.2500	M.T	Existing
8	caspo fungin	0.000	0.000 - M.T	0.000	M.T	Existing
9	compound 2- astex	0.0830	0.000 - M.T	0.0830	M.T	Proposed
10	dapsone	0.1670	0.1670 - M.T	0.2500	M.T	Existing
11	dfq	0.8330	0.8330 - M.T	0.8330	M.T	Existing
12	dienol	0.000	0.000 - M.T	0.000	M.T	Existing
13	doxercalciferol	0.0420	0.0420 - M.T	0.0001	M.T	Existing
14	escitalopram	0.000	0.000 - M.T	0.000	M.T	Existing
15	ethacrinate sodium	0.000	0.000 - M.T	0.000	M.T	Existing
16	glyceryl phenyl butyrate	0.000	0.000 - M.T	0.000	M.T	Existing
17	gsk - dchu (1,3-dicyclohexylurea stage-a)	0.1600	0.000 - M.T	0.1600	M.T	Proposed
18	gsk-807	1.6600	0.000 - M.T	1.6600	M.T	Proposed
19	gsk-898	1.2500	0.000 - M.T	1.2500	M.T	Proposed
20	ibutalide	0.000	0.000 - M.T	0.000	M.T	Existing
21	imepitoin	2.9160	0.000 - M.T	2.9160	M.T	Proposed
22	isoproterenol	0.0420	0.0420 - M.T	0.0005	M.T	Existing
23	methanamine hippurate	0.000	0.000 - M.T	0.000	M.T	Existing
24	milrinone	0.000	0.000 - M.T	0.000	M.T	Existing
25	nbi-77810	0.8330	0.8330 - M.T	3.7500	M.T	Existing
26	nefopam	0.000	0.000 - M.T	0.000	M.T	Existing
27	palbo intermediate-1	0.0830	0.000 - M.T	0.0830	M.T	Proposed
28	palbo intermediate-2	0.0830	0.000 - M.T	0.0830	M.T	Proposed
29	paricalcitrol	0.000	0.000 - M.T	0.000	M.T	Existing
30	r & d products	1.2500	1.2500 - M.T	2.5000	M.T	Existing
31	rapastinel	0.4160	0.000 - M.T	0.4160	M.T	Proposed
32	ribavirin	0.1670	0.1670 - M.T	0.1000	M.T	Existing
33	sb-1518 or s bio(subsituted decane citrate	0.000	0.000 - M.T	0.000	M.T	Existing
34	sls	0.000	0.000 - M.T	0.000	M.T	Existing
35	sodium federate	0.000	0.000 - M.T	0.000	M.T	Existing
36	t diol	0.0830	0.000 - M.T	0.0830	M.T	Proposed
37	tosylate stage e	0.4160	0.000 - M.T	0.4160	M.T	Proposed

2. This consent for establishment is valid up to 27/08/2027 from the date of issue.
3. The applicant shall not undertake further expansion/diversification without the prior consent of the Board.
4. The applicant shall obtain necessary license/clearance from other relevant statutory agencies as required under the law.

Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016

Authorization No: 334722

Valid upto: 30/06/2027

(This document contains 4 pages excluding annexure)

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

Authorization No: 334722 **PCB ID:** 29163 **Date:** 02/12/2022

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

Ref: 1. Authorization application submitted by the industry/organization on 13/07/2022 at Regional Office.

2. Inspection of the project site/organization by Regional Officer , Bidar on 07/07/2022
3. Proceedings of CCM dated: , held on:

1. Number of authorization 334722 and date of issue 02/12/2022

2. Reference of application No. 19589 Inward Date 13/07/2022

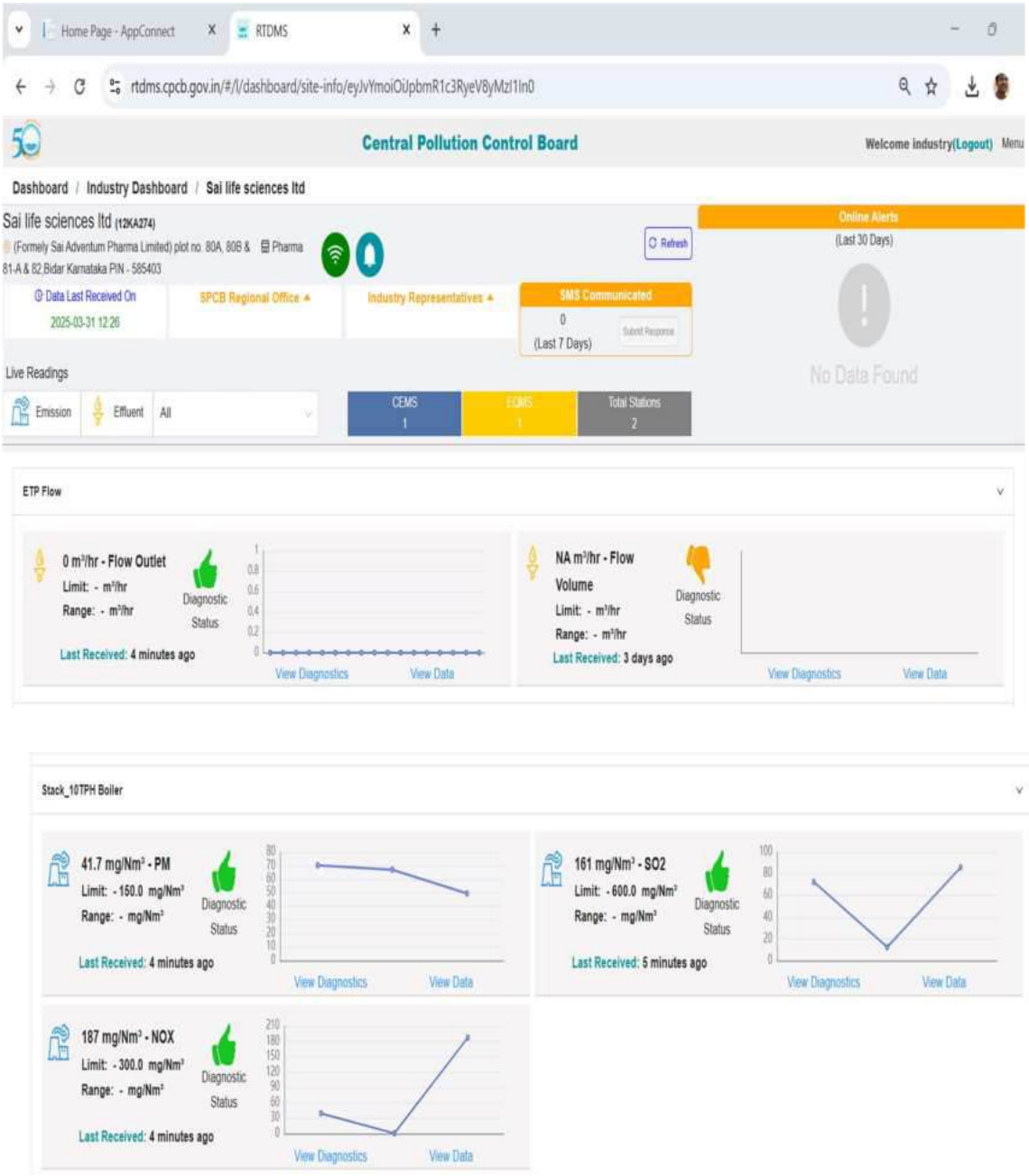
3. Chairman&Director of Sai Life Sciences Ltd., is hereby granted an authorization based on the enclosed signed inspection report for Generation,Collection,Reception,Transport or any other use of hazardous or other wastes or both on the premises situated at the location **Address**: Plot No.79 A,79 B,80A,80B,81A,82, 130 A Kolhar Industrial Area,Bidar , Plot No.79 A,79B,80A,80B,81A,82,130 A kolhar Industrial Area, Bidar **Industrial Area** : Bidar , **Taluk** : Bidar , **District** : Bidar

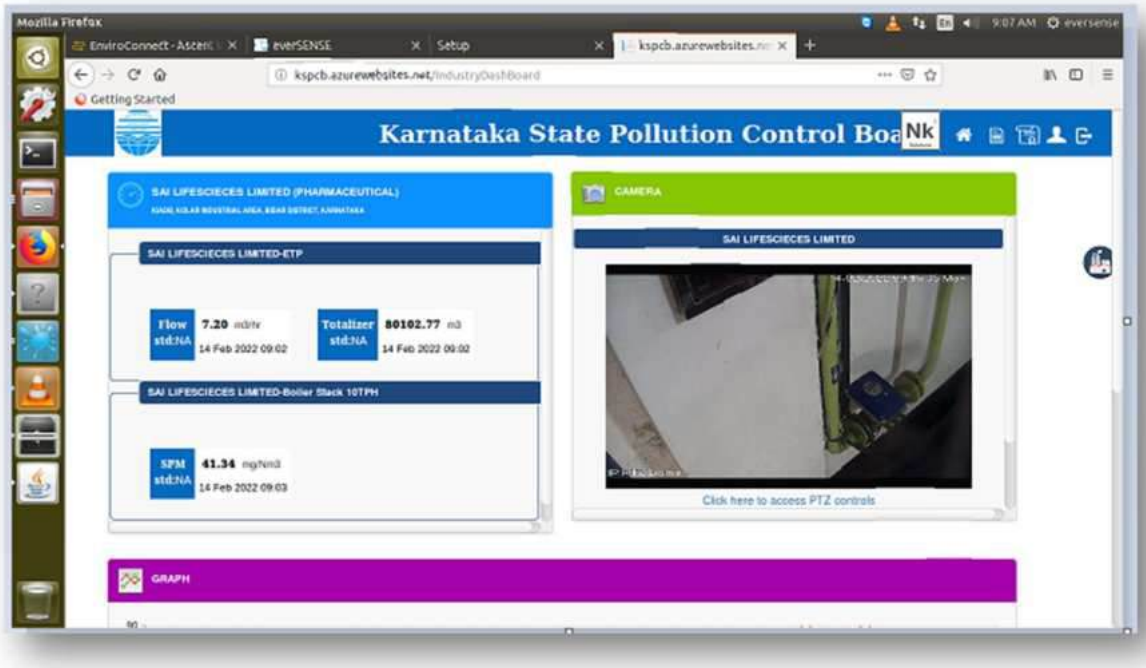
Details of Authorization:

Category of Hazardous waste as per the Schedule I,II,III & IV of these rules	Description of Hazardous Waste	Quantity/Annum	Unit	Authorized Mode of Disposal or recycling or utilization or co-processing, etc.,
I	28.1~Process Residue and wastes	279.740	M.T	As Per Annexure
I	33.1~Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	60000.000	M.T	As Per Annexure
	20.1~Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse.	3500.000	M.T	As Per Annexure
I	5.1~Used Spent Oil	40.000	KLT	As Per Annexure
I	36.2~Spent carbon or filter medium	165.000	M.T	As Per Annexure

Annexure-3

Web portal screenshot of KSPCB / CPCB live data streaming




Mozilla Firefox
kspcb.azurewebsites.net/IndustryDashBoard
Getting Started
Karnataka State Pollution Control Boa
SAI LIFESCIECES LIMITED (PHARMACEUTICAL)
SAI LIFESCIECES LIMITED-ETP
Flow std:NA
7.20
14 Feb 2022 09:02
Totalizer std:NA
80102.77
14 Feb 2022 09:02
SAI LIFESCIECES LIMITED-Boiler Stack 10TPH
SPM std:NA
41.34
14 Feb 2022 09:03
CAMERA
SAI LIFESCIECES LIMITED
Click here to access PTZ controls
GRAPH


SAI LIFESCIECES LIMITED-Boiler Stack 10TPH
SPM std:NA
51.75 mg/Nm3
31 Mar 2025 12:35
SO2 std:NA
181.00 mg/Nm3
31 Mar 2025 12:35
NOx std:NA
168.00 mg/Nm3
31 Mar 2025 12:36

CALIBRATION CERTIFICATE

Certificate No: NKSS/CEMS/SLSL/2024/04 **Date of Issue: 21-05-2024**
Customer : M/s. Sai Life Sciences Limited, Bidar, Karnataka.

Instrument Details:

Instrument: Online Stack SPM Analyzer
Make : Forbes Marshall
Model : DCEM 21XX
Serial No. : FMDCEM21XX 20131 RCU

Station Name : 10 TPH Boiler
Date of Calibration : 19-05-2024
Due Date : 18-05-2025

Calibration Details: (Test Data)

Calibration Date	Zero % Opacity	100% Opacity	Remarks
19-05-2024	1.1 %	99.5%	Dust monitor model no DCEM 21XX is calibrated successfully

Result: The Calibration of above instrument is performed and it meets the acceptance criteria.

Operational Checks: -

Normalizing inputs	Temperature	**Ok**	Serial Comms.	**Ok**	Plant Status	**Ok**
	Span Check 100 %	**Ok**	Data Valid	**Ok**	Contact	**Ok**
	Alarm Level 1&2	**Ok**	Alarm Led	**Ok**		

M. Venkatesh

Calibrated By:
Venkatesh
Sr. Engineer - Service

NK SQUARE SOLUTIONS

T. P. Kishore.

Reviewed By:
Prabu Kishore
Asst. Manager- Service

CALIBRATION CERTIFICATE

CERTIFICATE NO		**NKSS/FLOW/SLSL/2024/01**	
CUSTOMER / END USER		**M/s. Sai Life Sciences Limited**	
LOCATION/STATION NAME		**RO Permeate Outlet**	
Date of Cal.	**18-05-24**	**Next Cal. Date**	**17-05-25**
SERIAL NUMBER	I5405560	**INSTRUMENT**	MAGNATIC FLOW METER
Make & Model	OPTIFLUX 4000	**CONVERTER**	IFC050
TYPE	INTIGRAL/EXTERNAL	**CAL. METHOD**	ELECTRONIC SIMULATER
DN SIZE in MM	50	**GKL VALUE**	4.495
FLOW RATE	25 m3/hr	**COMMUNICATIONS**	RS485, 4-20 mA, Pulse

This is to certify that the instrument described above was calibrated with our facilities and according to the manufacturer's procedures with electronic simulator

Switch Position	Calculated Current Output In mA	Calculated Flow Reading In m3/Hr	Observed Flow Reading In m3/Hr	Deviation %	Accepted Dev.In %
0	0.00	0.00	0.00	0.00	0
A	5.55	2.42	2.41	0.46	±0.4
B	7.10	4.84	4.83	0.25	±0.4
C	10.20	9.68	9.70	-0.16	±0.4
D	19.49	24.21	24.22	-0.04	±0.4

This Calibration of the sensor is checked several times over several minutes of testing. The calibration dates are entered with the serial number, & customer details in our permanent calibration database.

Note: This Instrument is calibrated with reference to MagFlow Simulator MS1 for Electromagnetic Flow meter (Krohne).

Authorized by

NK SQUARE SOLUTIONS

Calibration done by:

Venkatesh

Venkatesh

NK SQUARE SOLUTIONS

CAL-NKSS-232256

CALIBRATION CERTIFICATE

Certificate No: NKSS/CEMS/SLSL/2025/05 **Date of Issue: 03-01-2025**
Customer : Sai Life Sciences Limited, Bidar, Karnataka.

Instrument Details:

Instrument : Online stack gas analyzer (SO2, NOx, O2) **Station Name: 10 TPH Boiler**
Make : Horiba., Japan. **Date of Calibration: 02-01-2025**
Model : CMA-5400 **Due Date: 01-01-2026**
Serial No : TH0HGVBA

Calibration gas details:

NO gas : 807 PPM NO, Balance N2
SO2 gas :769.7 PPM SO2, Balance N2
N2 gas : 99.99% purity

Details	N2 Gas Cylinder	No Gas Cylinder	SO2 Gas Cylinder
S. No	H1D10A-378587	426014	426024
Expiry date	12-01-2025	05-01-2025	25-01-2025

Calibration Details:

	Zero Calibration			Span Calibration		
Parameter	Standard Concentration	Measured Value	% of Deviation	Standard Concentration	Measured Value	% of Deviation
NO	0 PPM	0 PPM	0	807 PPM	815 PPM	0.98
SO2	0 PPM	0 PPM	0	769.7 PPM	775 PPM	0.68

Accepted Tolerance: ±2 %

Results: The calibration of above instrument is performed and it meets the acceptable criteria.

Calibrated By:
Venkatesh
Engineer- Service

NK SQUARE SOLUTIONS

Reviewed By:
Prabhu Kishore
Asst. Manager- Service

SHRI KRISHNA AQUA ENGINEERING WORKS
ISO 9001:2015, ISO 45001:2018
MoEFCC Recognized, NABL Accredited Laboratory.
Environmental Lab, Pollution Control Consultants
"Shri Krishna" Building, 1st Cross, Pragati Colony,
Vidyanagar, **HUBLI** - 580 021. Tel.: (Lab) 0836-2375678,
Mobile : +91 94480 51534, +91 94800 28018,
E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

ANALYSIS REPORT OF FUGITIVE EMISSION

Test Report No: SKEW/VOC/2025/EG/33	Report Date: 24/03/2025
Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
Particulars of the sample	Instrument Method
Sample Collected By	BY US
Date of Collection	20/03/2025, 21/03/2025 & 22/03/2025
Analysis Start Date	24/03/2025
Analysis Completion Date	24/03/2025
Name of the Parameter	Total Volatile Organic Compounds

RESULTS

SL.NO	Description of equipment	Location	Result In PPM
1	Stripper dist.Sotage tank near 125 KLD MEE	125 KLD MEE	0.6
2	PB04 Terrace Near scrubber DSCR 04	PB04	0.5
3	PB06 Terrace	PB-06	0.9
4	PB07 First Floor wash Area	PB07	0.7
5	Pyrophoric material storage inside ware house	Ware House	0.5
6	Ware House PESO drum storage Area	Ware House	0.3
7	PB10 Terrace	PB10	0.8
8	PB07 Terrace	PB-07	1
9	PB08 Terrace	PB-08	1.2
10	PB11 Terrace	PB11	0.6

Reviewed By
(Chemist)
Ribeka

30-mar-25
Checked by

End of the Report

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

SHRI KRISHNA AQUA ENGINEERING WORKS
ISO 9001:2015, ISO 45001:2018
MoEFCC Recognized, NABL Accredited Laboratory.
Environmental Lab, Pollution Control Consultants
"Shri Krishna" Building, 1st Cross, Pragati Colony,
Vidyanagar, HUBLI - 580 021. Tel. : (Lab) 0836-2375678,
Mobile : +91 94480 51534, +91 94800 28018,
E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSION

Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
Particulars of the sample	Sample collected with High Volume Sampler
Sample Collected By	Enviro Consultancy Kalaburgi
Date of Collection	20/03/2025
Report No	SKAEW/F/2025/EG/MAR/25
Analysis Start Date	21/03/2025
Analysis Completion Date	22/03/2025
Method Adopted	IS-5182(Part4)-1999
Name of the Parameter	Suspended Particulate Matter

Sl NO	Name of the Location	Duration of Monitoring	Unit	Result
1	Boiler Dust	24 Hours	µg/m3	139

Reviewed By
(Chemist)
Ribeka

30-mar-25
checked by

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

End Of The Report

Environmental clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.
Compliance report of EC Condition from October-2024 to Marc-2025

Annexure-5

Ambient air quality monitoring reports from Oct-2024 to Mar-2025									
Location	**Parameters**	**Units**	**NAAQ Standards**	**Oct-24**	**Nov-24**	**Dec-24**	**Jan-25**	**Feb-25**	**Mar-25**
Location -1 Near main gate security area	PM 10	µg/m3	100	71.2	73.6	81.3	76.3	74.3	79.2
	PM 2.5	µg/m3	60	19.4	21.2	23.8	22.6	21.4	23.6
	SO_2	µg/m3	80	18.2	17.8	19.6	20.3	18.2	20.4
	NO_2	µg/m3	80	15.5	14.6	15.3	16.4	15.7	16.2
	Carbon Monoxide(CO)	mg/m^3	2.0	1.4	1.3	1.6	1.6	1.6	1.7
	Lead (Pb)	$\mu g/m^3$	1.0	0.8	0.6	0.6	0.7	0.7	0.5
	Arsenic(As)	ng/m^3	6.0	BDL	BDL	BDL	BDL	BDL	BDL
	Nickel(Ni)	ng/m^3	20.0	BDL	BDL	BDL	BDL	BDL	BDL
	Ozone(O_3)	$\mu g/m^3$	100	13.4	11.8	13.2	12.2	11.4	10.4
	Ammonia(NH3)	$\mu g/m^3$	400.0	10.2	9.7	9.1	9.8	9.7	12.8
	Benzene(C_6H_6)	$\mu g/m^3$	5.0	BDL	BDL	BDL	BDL	BDL	BDL
	Benzo(a),pyrene (Bap)	ng/m^3	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Location -2 Near warehouse	PM 10	µg/m3	100	64.1	61.6	68.7	69.6	69.4	72.3
	PM 2.5	µg/m3	60	17.6	16.3	19.2	19.7	20.6	18.6
	SO_2	µg/m3	80	18.5	14.2	16.4	17.3	19.2	14.8

	NO_2	µg/m3	80	14.4	12.3	14.8	15.5	18.4	12.6
	Carbon Monoxide(CO)	mg/m^3	2.0	1.6	1.4	1.6	1.7	1.4	1.6
	Lead (Pb)	$\mu g/m^3$	1.0	0.6	0.7	0.5	0.7	0.4	0.7
	Arsenic(As)	ng/m^3	6.0	BDL	BDL	BDL	BDL	BDL	BDL
	Nickel(Ni)	ng/m^3	20.0	BDL	BDL	BDL	BDL	BDL	BDL
	Ozone(O_3)	$\mu g/m^3$	100	11.7	12.1	13.6	13.1	13.3	14.2
	Ammonia(NH3)	$\mu g/m^3$	400.0	11.2	9.8	9.6	10.6	11.2	10.8
	Benzene(C_6H_6)	$\mu g/m^3$	5.0	BDL	BDL	BDL	BDL	BDL	BDL
	Benzo(a),pyrene (Bap)	ng/m^3	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Location -3 Near ETP & Boiler area	PM 10	µg/m3	100	74.6	77.2	78.6	78.5	79.2	82.7
	PM 2.5	µg/m3	60	20.8	22.4	23.5	23.6	25.3	24.3
	SO_2	µg/m3	80	16.9	18.4	21.6	18.4	21.6	17.2
	NO_2	µg/m3	80	13.5	16.1	18.4	15.7	17.5	14.6
	Carbon Monoxide(CO)	mg/m^3	2.0	1.5	1.3	1.5	1.4	1.5	1.4
	Lead (Pb)	$\mu g/m^3$	1.0	0.7	0.5	0.5	0.5	0.6	0.5
	Arsenic(As)	ng/m^3	6.0	BDL	BDL	BDL	BDL	BDL	BDL
	Nickel(Ni)	ng/m^3	20.0	BDL	BDL	BDL	BDL	BDL	BDL
	Ozone(O_3)	$\mu g/m^3$	100	11.5	12.6	11.2	14.4	14.1	12.8

	Ammonia(NH3)	µg/m^3	400.0	12.8	10.4	10.1	10.9	10.8	13.6
	Benzene(C_6H_6)	µg/m^3	5.0	BDL	BDL	BDL	BDL	BDL	BDL
	Benzo(a),pyrene (Bap)	ng/m^3	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Location -4 Near PB-09	PM 10	µg/m3	100	69.4	71.5	74.6	73.2	71.4	76.4
	PM 2.5	µg/m3	60	19.5	20.7	20.3	20.5	22.6	23.2
	SO_2	µg/m3	80	18.6	17.5	17.6	16.4	16.4	19.6
	NO_2	µg/m3	80	13.8	15.8	14.9	14.3	14.2	10.4
	Carbon Monoxide(CO)	mg/m^3	2.0	1.5	1.2	1.4	1.7	1.3	1.6
	Lead (Pb)	µg/m^3	1.0	0.5	0.6	0.6	0.7	0.5	0.5
	Arsenic(As)	ng/m^3	6.0	BDL	BDL	BDL	BDL	BDL	BDL
	Nickel(Ni)	ng/m^3	20.0	BDL	BDL	BDL	BDL	BDL	BDL
	Ozone(O_3)	µg/m^3	100	12.4	13.2	12.8	14.2	10.6	12.7
	Ammonia(NH3)	µg/m^3	400.0	10.9	12.2	9.7	12.4	9.4	10.4
	Benzene(C_6H_6)	µg/m^3	5.0	BDL	BDL	BDL	BDL	BDL	BDL
	Benzo(a),pyrene (Bap)	ng/m^3	1.0	BDL	BDL	BDL	BDL	BDL	BDL

Annexure-6
Cyclone separator and Bag filter & Stack Monitoring Report and Boiler coal Sulphur content report.

Location	Parameters	Standards	Units	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
10 TPH BOILER	PM	150	mg/Nm3	45.80	52.7	42.4	49.2	59.6	51.4
	SOX	600	mg/Nm3	251.3	263.2	228.6	264.2	223.7	232.8
	NOX	300	mg/Nm3	117.6	126.5	109.4	122.4	135.3	112.6

Vimta
Driven by Quality. Inspired by Science.

Test Report

Issued To:
Sai LIfe Sciences Limited
Unit-IV P No: 79-B, 80-A, 80-B, 81-A & 82
Kolhar Industrial Area
Bidar Dist.-585403
Karnataka,IND
Ph: Mob:9886989863

Kind Attn:Mr. Anjanayya Patri

Registration/Report Number: **VLL/VLS/20/06381/002**
Issue Date: 2020-11-11
Your Ref: 2424123
and Date: 2020-09-25
Lab Ref No.: 734686
LIMS Report No.: 231802

Customer Provided Details :			
Sample Name:	**Indian Coal**		
Batch Number:	NA	A.R. Number:	NA
Mfg. Date:	NA	Exp. Date:	NA
Test Required:	Proximate analysis,Ultimate analysis and GCV.		
Other Details if Any:	NA		
Lab Provided Details :			
Sample Received Date:	2020-10-03	Sample Registration Date:	2020-10-05
Analysis Starting Date:	2020-11-02	Analysis Completion Date:	2020-11-11
Received Quantity:	1kg X 1 No		
Sampling Details:	NA		
Method of Testing:	As Per IS:1350(Part-I), IS:1350(Part-II), ASTM D1412, and ASTM D5373.		
Other Details if Any:	NA		

ULR-TC541820000020845P
Chemical
Solid Fuels

TEST RESULTS

S. No.	Test Parameters	Unit of Measurement	Results
	Calorific Value Analysis		
1	Gross Calorific Value	kcal/Kg	4673
	Proximate Analysis		
2	Total Moisture	%	5.46
3	Ash	%	26.84
4	Volatile Matter	%	28.25
5	Fixed Carbon	%	39.45
6	Inherent Moisture	%	0.63
	Ultimate Analysis		
7	Carbon	%	50.41
8	Hydrogen	%	3.04

Name and Designation of Authorized Signatory

Jyothi Ch
Deputy Manager

NO: LSF-B 899867

Vimta

Driven by Quality. Inspired by Science.

Test Report

Issued To:
Sai Life Sciences Limited
Unit-IV P No: 79-B, 80-A, 80-B, 81-A & 82
Kolhar Industrial Area
Bidar Dist.-585403
Karnataka,IND
Ph: Mob:9886989863

Kind Attn:Mr. Anjanayya Patri
ULR-TC541820000020845P

Registration/Report Number:	**VLL/VLS/20/06381/002**
Issue Date:	2020-11-11
Your Ref:	2424123
and Date:	2020-09-25
Lab Ref No.:	734686
LIMS Report No.:	231802

TEST RESULTS

S. No.	Test Parameters	Unit of Measurement	Results
9	Sulphur	%	0.24
10	Nitrogen	%	1.17
11	Oxygen as O (as Remainder)	%	12.84

Results relate only to the sample tested.
Remarks: sample tested as received

- END OF THE TEST REPORT -

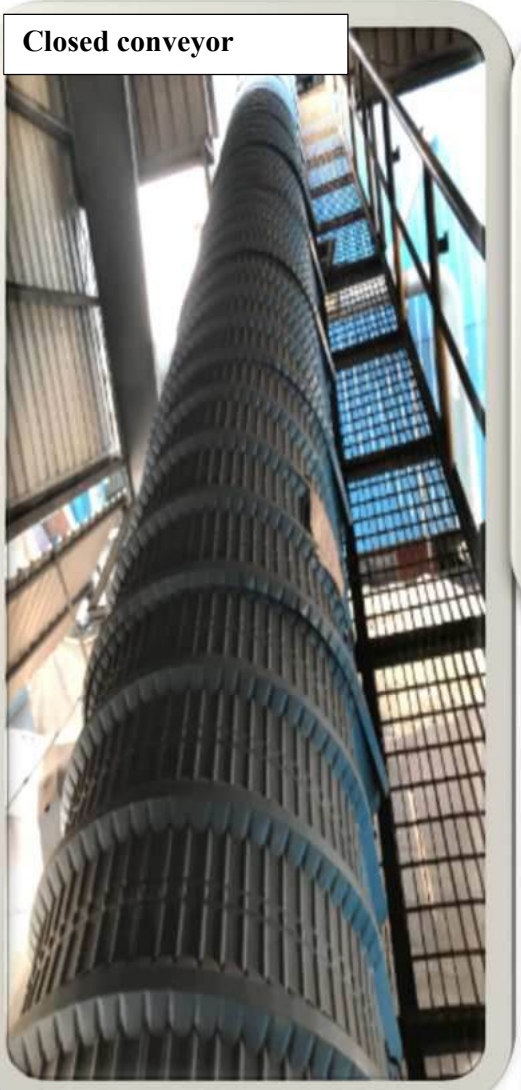
Name and Designation of Authorized Signatory

Jyothi Ch
Deputy Manager

NO: LSF-B 889868

Annexure-7
Dedicated coal storage shed, water mist system and closed conveyor system.

Closed conveyor



Coal storage shed

Water mist

Annexure-8
Environmental monitoring reports
Scrubbers, DG sets, Boilers and treated effluent monitoring reports

Scrubber's emissions monitoring reports

Sl. no	Stack Id	Location	Parameter	Units	Standards	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
1.	DSCR-01	PB-1	Acid mist	Mg/N m^3	35	18.3	19.4	20.4	19.6	22.2	21.2
2.	DSCR-28	PB-2	Acid mist	Mg/N m^3	35	29.4	28.9	28.2	23.2	29.2	26.4
3.	DSCR-14	PB -3	Acid mist	Mg/N m^3	35	22.6	21.6	27.5	21.4	25.6	23.8
4.	DSCR-19	PR&D	Acid mist	Mg/N m^3	35	20.5	23.7	26.7	23.3	23.4	24.6
5.	DSCR-20	PR&D	Acid mist	Mg/N m^3	35	23.8	22.5	22.4	26.5	22.5	26.5
6.	DSCR-04	PB -4	Acid mist	Mg/N m^3	35	21.2	24.8	22.4	20.4	19.6	21.5
7.	DSCR-05	PB -4	Acid mist	Mg/N m^3	35	27.2	22.4	25.3	24.6	27.4	24.3
8.	DSCR-21	PB -6	Acid mist	Mg/N m^3	35	26.5	21.7	28.6	27.2	Scrubber removed	
9.	DSCR-06	PB -6	Acid mist	Mg/N m^3	35	23.4	28.2	30.4	22.5	26.4	26.3
10	DSCR-07	PB -6	Acid mist	Mg/N m^3	35	28.9	21.4	27.2	21.8	27.3	28.7
11	DSCR-02-01	PB -6	Acid mist	Mg/N m^3	35	26.8	25.3	23.3	22.7	28.4	25.6
12	DSCR-09	PB -7	Acid mist	Mg/N m^3	35	24.5	27.5	26.6	20.5	26.3	20.8
13	DSCR-10	PB -7	Acid mist	Mg/N m^3	35	25.3	24.8	19.8	27.2	22.6	23.4
14	DSCR-11	PB -7	Acid mist	Mg/N m^3	35	28.7	29.6	22.6	26.4	25.9	26.3
15	DSCR-12	PB -7	Acid mist	Mg/N m^3	35	26.3	22.8	28.2	19.8	27.3	20.5
16	DSCR-16	PB -8	Acid mist	Mg/N m^3	35	22.4	20.6	22.4	25.3	23.2	21.1
17	DSCR-17	PB -8	Acid mist	Mg/N m^3	35	25.3	27.4	23.5	23.6	25.4	24.6
18	DSCR-27	QC	Acid mist	Mg/N m^3	35	27.2	22.2	28.3	29.4	21.6	22.2
19	DSCR-18	Were house	Acid mist	Mg/N m^3	35	28.6	26.4	27.8	24.7	27.4	26.5

20	DSCR-08	Were house	Acid mist	Mg/N m^3	35	26.7	23.7	21.4	22.5	26.8	28.7
21	DSCR-13	Were house	Acid mist	Mg/N m^3	35	22.9	21.7	26.4	20.4	28.4	27.4
22	DSCR-22	ETP	Acid mist	Mg/N m^3	35	26.2	28.2	23.2	28.2	26.5	19.7
23	DSCR-23	PB-09	Acid mist	Mg/N m^3	35	29.1	27.3	27.6	26.5	23.4	28.2
24	DSCR-24	PB-10	Acid mist	Mg/N m^3	35	28.3	20.5	30.3	25.8	25.6	22.3
25	DSCR-25	PB-10	Acid mist	Mg/N m^3	35	23.7	26.8	22.6	27.4	26.7	21.5
26	DSCR-26	PB-12	Acid mist	Mg/N m^3	35	27.6	26.2	29.6	25.2	29.2	29.3
27	DSCR-29	PB-06	Acid mist	Mg/N m^3	35	Recently Installed				21.5	27.2
28	DSCR-30	PB-11	Acid mist	Mg/N m^3	35	Recently Installed					24.6
29	DSCR-31	PB-11	Acid mist	Mg/N m^3	35	Recently Installed					26.4
30	DSCR-32	PB-12	Acid mist	Mg/N m^3	35	Recently Installed					28.2

DG sets emissions monitoring reports

Location	**Parameters**	**Limits**	**Units**	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
500 KVA DG SET	PM	150	mg/Nm3	Once every three months		62.8	Once every three months		59.3
	SO_X	100	mg/Nm3			19.6			23.4
	NO_X	50	ppm			17.1			16.3
750 KVA DG SET	PM	150	mg/Nm3			82.6			64.6
	SO_X	100	mg/Nm3			21.8			27.2
	NO_X	50	ppm			18.2			19.4
DG SET-1010 KVA-1 (DDGS-07)	PM	75	mg/Nm3	55.8	Once every three months		52.4	Once every three months	
	NO_X	710	ppm	28.3			25.6		
	CO	150	mg/Nm3	21.4			19.3		
	NMHC	100	mg/Nm3	12			13		

DG SET-1010 KVA-2 (DDGS-08)	PM	75	mg/Nm3	52.5	Once every three months	50.8	Once every three months
	NO_X	710	ppm	33.8		30.4	
	CO	150	mg/Nm3	25.7		23.6	
	NMHC	100	mg/Nm3	13		11	
DG SET-2250 KVA (DDGS-09)	PM	75	mg/Nm3	49.6	Once every three months	47.8	Once every three months
	NO_X	710	ppm	39.2		36.4	
	CO	150	mg/Nm3	28.6		26.7	
	NMHC	100	mg/Nm3	14		12	

Boiler emissions monitoring reports

Location	**Parameters**	**Limits**	**Units**	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
10 TPH BOILER	PM	150	mg/Nm3	58.4	63.8	61.2	55.7	68.5	59.2
	SO_X	600	mg/Nm3	56.8	64.7	57.4	52.4	75.8	63.5
	NO_X	300	ppm	36.7	41.5	34.6	32.6	43.6	31.8
5 TPH BOILER	PM	150	mg/Nm3	45.80	52.7	42.4	49.2	59.6	51.4
	SO_X	600	mg/Nm3	251.3	263.2	228.6	264.2	223.7	232.8
	NO_X	300	ppm	117.6	126.5	109.4	122.4	135.3	112.6
2 TPH BOILER	PM	150	mg/Nm3	69.2	71.6	78.6	65.8	78.7	74.7
	SO_X	600	mg/Nm3	23.8	29.2	28.3	25.2	21.5	31.6
	NO_X	300	ppm	16.4	18.5	21.4	18.7	19.6	22.4

Thermic fluid heater emissions monitoring reports

Location	**Parameters**	**Limits**	**Units**	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
THERMIC FLUID HEATER-1	PM	150	mg/Nm3	Once every three months		69.8	Once every three months		73.5
	SO_X	100	mg/Nm3			23.7			22.4
	NOx	50	mg/Nm3			19.4			17.7

THERMIC FLUID HEATER-2	PM	150	mg/Nm3	Once every three months	74.6	Once every three months	71.2
	SO_X	100	mg/Nm3		22.4		19.5
	NOx	50	mg/Nm3		17.8		17.8

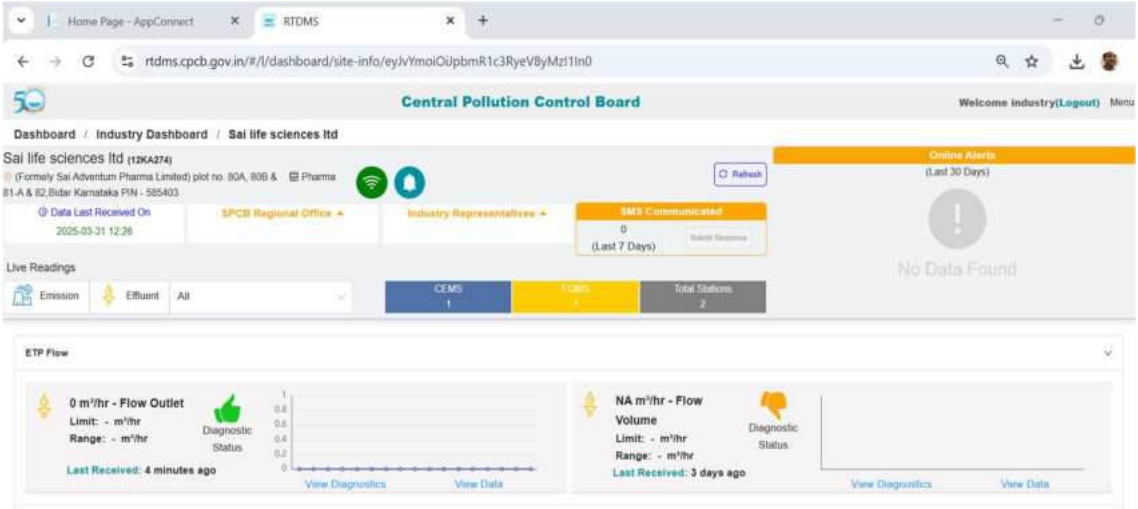
Ro-Permeate (ZLDS-Treated water) water analysis report

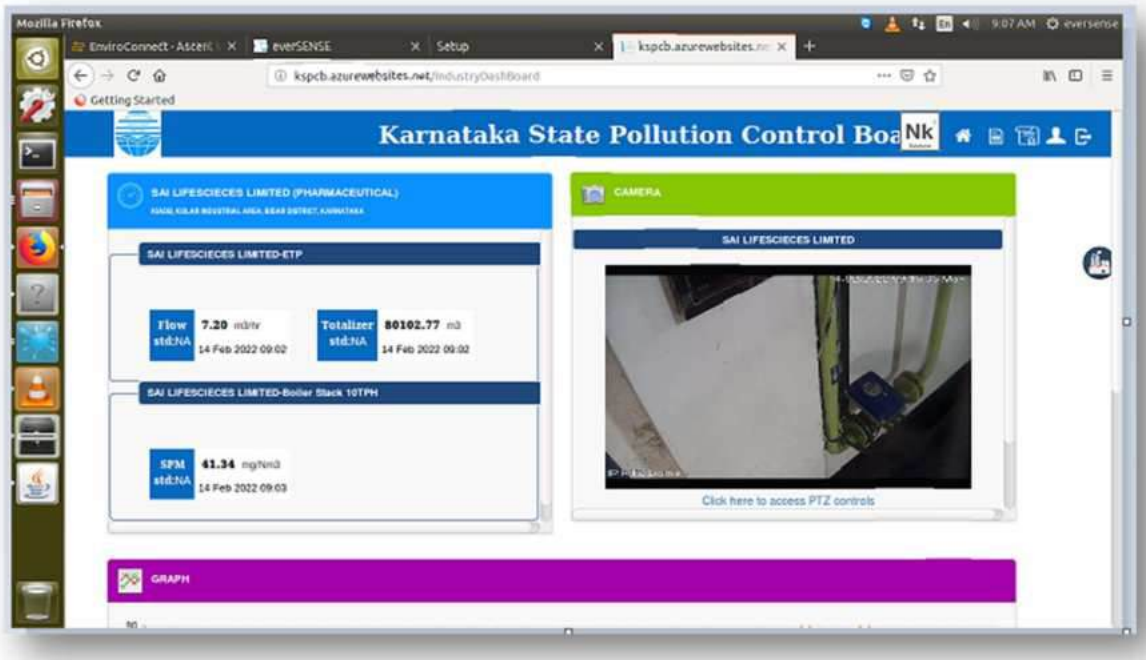
S.NO	**Parameters**	**Units**	**MOEF notification G.S.R .541E Standard**	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
1	pH	-	6 -8.5	7.9	7.6	8.3	7.7	8.2	8.3
2	Chemical Oxygen Demand	PPM	250	46	42	62	49	73	58
3	Biological Oxygen Demand for 3 days at 27*C	PPM	30	21	22	21	23	25	23
4	Ammonical Nitrogen	PPM	100	61	58	54	59	42	62
5	Total Suspended Solids	PPM	100	Nil	Nil	Nil	Nil	Nil	Nil
6	Oil & Grease	PPM	10	Nil	Nil	Nil	Nil	Nil	Nil
7	Bioassay test	-	90% survival of fish after first 96 hours in 100% effluent	Pass	Pass	Pass	Pass	Pass	Pass

Treated Sewage water analysis report.

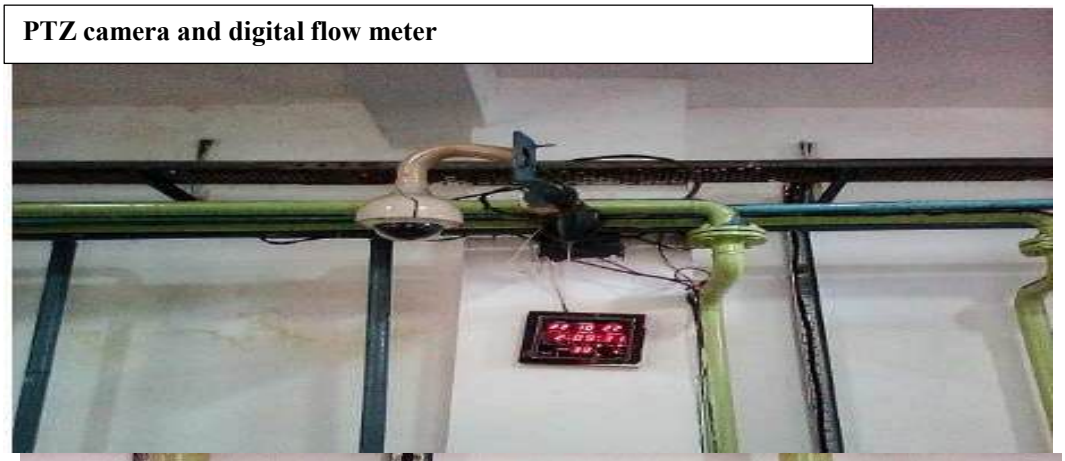
S.NO	Parameters	Units	Standards	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
1	pH	_	6.5-9.0	8.5	8.2	8.5	8.2	8.1	8.1
2	Biological Oxygen Demand for 3 days at 27*C	ppm	Not more than 10	6.8	6.2	5.2	6.4	6.4	6.8
3	Total Suspended Solids	ppm	Not more than 20	13.2	12.7	13.4	11.7	13.8	12.6
4	Chemical Oxygen Demand	ppm	Not more than 50	23.7	24.4	25.8	24.6	30.4	26.2
5	Ammonical Nitrogen	ppm	Not more than 5	2.9	2.5	2.2	2.5	2.7	2.7
6	Total Nitrogen	ppm	Not more than 10	4.1	4.5	3.9	4.3	4.2	4.7
7	Fecal Coliform MPN/100ml	100 ml	Less than 100	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected

Annexure-9
Web portal screenshot for CPCB and KSPCB live data streaming and Flow meter with camera





PTZ camera and digital flow meter



Annexure – 10
ZLDS facility photographs.

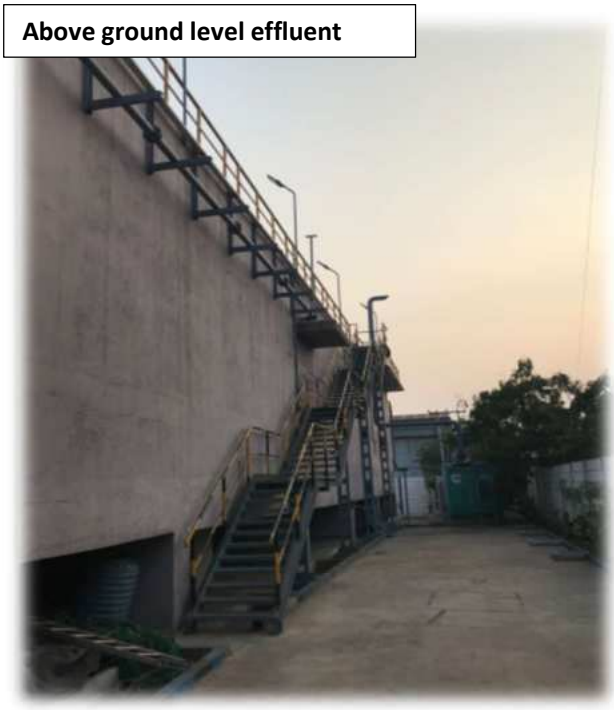
Stripper column, MEE & ATFD Plant

RO-Plant

Biological treatment plant

Above ground level effluent

Above ground level effluent



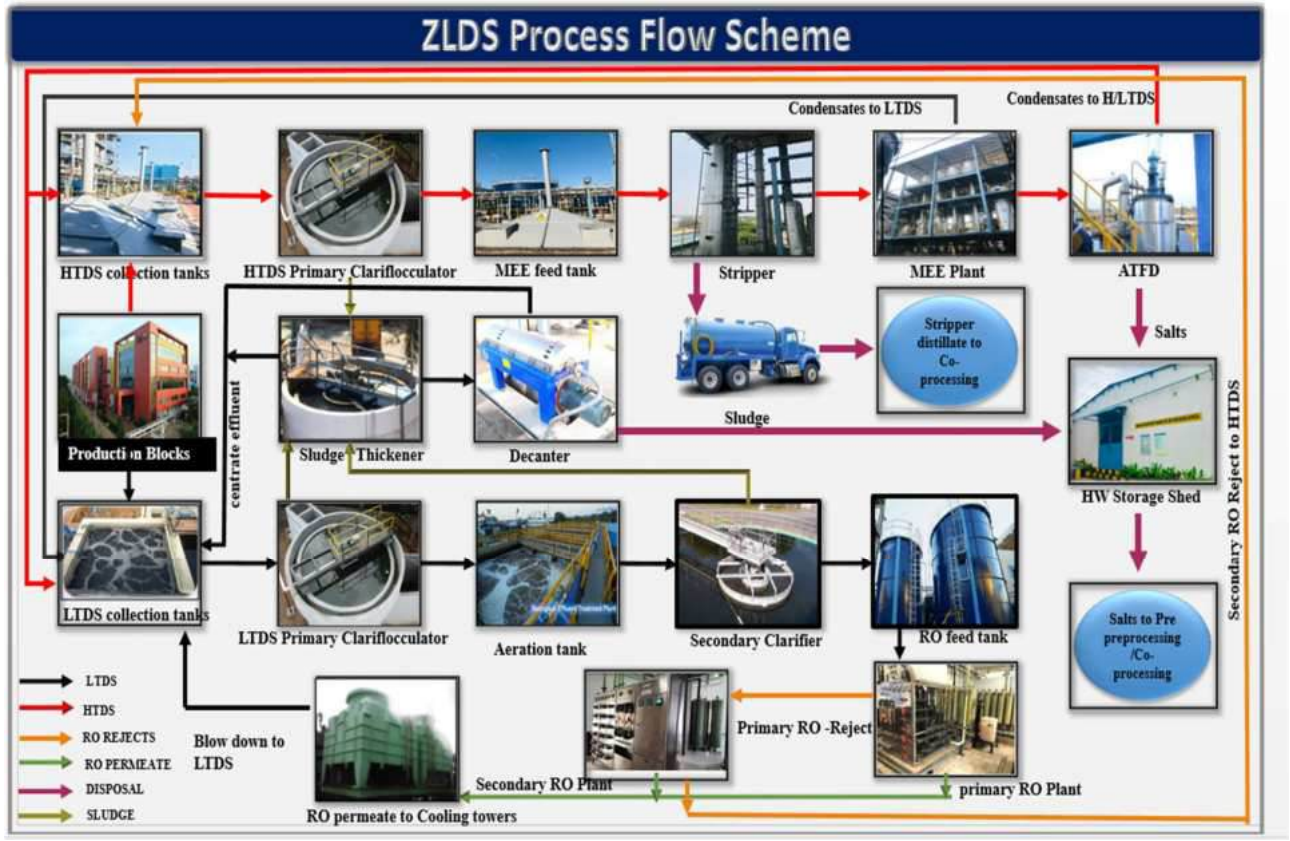
Sludge de watering (Decanter) system

ETP Laboratory

Secondary RO plant

Secondary RO plant

ZLDS process flow scheme



Government of Karnataka

Karnataka Ground Water Authority

Hello, **Sai Life Sciences Limited** LOGOUT

Services

View Application Status

HOME > Services > View Applications > Track Application

Application **Status**

Progress

KGWA Document Review

Application No	KGWAN1565647512
Applicant Name	Sai Life Sciences Limited
Submitted On	08-07-2024 10:46 AM
Current Status	Progress
Application Type	Permission for Withdrawal of Ground-Water

PAYMENTDETAILS

Fee Amount	5500
Transaction Status	Success

Download Receipt

Application Tracking

APPLICATION RECEIVED

IN PROGRESS

Approval Date/Time	Document Review Approved By :
Approval Date/Time	Water Budgeting Approved By :
Approval Date/Time	Site Inspection Approved By :
Approval Date/Time	DC Committee Review Approved By :
Approval Date/Time	DC Recommendation Approved By :
Approval Date/Time	KGWA Document Review Approved By :
Approval Date/Time	KGWA Technical Review Approved By :
Approval Date/Time	KGWA Site Review Approved By :
Approval Date/Time	NOC Approval Approved By :

APPROVED

Application Fee Details

FAQS

USER MANUAL

HOME

Sai Make it better together

Date: 11-July-2024

To,
The Senior Geologist,
District Groundwater Office,
Karnataka ground water authority,
Bidar District- 585401.

Sub: Renewal of the NO OBJECTION CERTIFICATE for withdrawing the Ground water – reg.
Ref: Application No: KGWAN 1565647512, submitted on 08-July-2024 through KGWA portal

Respected Sir,

With reference to the above subject, **SAI LIFE SCIENCES LTD.**, which is situated at Plot No. 79 A, 79 B, 80 A, 80 B, 81 A, 82, 130 A & 280 of KIADB's Kolhar Industrial area, Bidar Taluk & District extends over an area of 18 A - 20 G (7.4867 Ha) is owing the Pharmaceutical plant with the production capacity of 18.00 MT per month of different APIs, Intermediates and R&D for custom synthesis products.

The said unit has already obtained the NOC from Karnataka Ground Water Authority vide your office letter No. **KGWA / GW / NOC / 01 / 2021 – 22 /724 dated 23.07.2021**, now the same is going to expiry on **22.07.2024**, hence the same needs to be renewed. Further, as per the Karnataka Ground Water (Regulation and Control of Development and Management) Act 2011 and the Central Ground Water Authority Notification dated 24/09/2020, vide S.O. No. 3289 (E), it is a Mandate to RENEW the NO OBJECTION CERTIFICATE to extract the ground water from the Ground Water Board / Authority for extraction of the ground water for any commercial / Industries / Infrastructure.

In view of the above, RENEWAL APPLICATION along with the Detailed Hydro-geological report and necessary documents on 08/07/24 on KGWA portal being the application No. **KGWAN 1565647512** and a fee of Rs. 5,500/- has been paid a copy of the receipt is enclosed herewith for your kind reference.

Further we are herewith submitting two hard copies of Detailed Hydro-geological report for the same and we hereby request your good self to kindly process the same and RENEW the NO OBJECTION CERTIFICATE for withdrawal of groundwater at the earliest possible.

Thanking you,

Yours faithfully,
For SAI LIFE SCIENCES LTD.,

AS RAJU
Director &Authorized signatory.

Sai Life Sciences Limited (CIN: U24110TG 1999PLC030970)
Plot No. 79B, 80A, 82, 81-A, 80-B, Kolhar Industrial Area, Bidar-585 403, Karnataka, INDIA.
Tel: +91 8482 232785/89 Fax: +91 8482 232239 info@sailife.com www.sailife.com

GOVERNMENT OF KARNATAKA

No:KGWA/GW/NOC/01/2021-22/794

Karnataka Groundwater Authority,
No.1/1, KSFC Bhavan,
Thimmaiah Road. Bangalore.
Dated: 23.07.2021
E-mail: gwdkar@gmail.com
Ph No. 080-22268732

Form 3A
(Rule-6)

Permission for digging/drilling a well/ Bore well/ Extraction of Groundwater for Industrial/ Commercial/ Entertainment or other use

M/s. Sai Life Sciences Limited, Plot No. 79-B, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar taluk & District, Karnataka, is permitted for extraction of groundwater at **Plot No. 79-B, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar taluk & District** from **three (03)** bore wells for **Drinking and Industrial use.**

1) M/s. Sai Life Sciences Limited is permitted to abstract **340m^3/day** (not exceeding **106420m^3/year**) of groundwater through **three (03) bore wells** only. No additional groundwater abstraction structures to be constructed for this purpose without prior approval of the KGWA.
2) This NOC is valid for **three years** from **23.07.2021** to **22.07.2024.**
3) As per the categorization of taluks, Bidar taluk in Bidar district fall under Safe taluk category. Hence, the **Groundwater Abstraction Charges** to be paid is **Rs. 680 per day.**
4) The Firm at its own cost shall install one piezometer, at suitable locations and execute groundwater regime monitoring programme in and around the project area on regular basis in consultation with the Senior Geologist, District Groundwater Office, Groundwater Directorate, Bidar District.

No.of Piezometers	Monitoring Mechanism		
	Manual	DWLR	DWLR with Telemetry
1	0	1	0

5) The firm shall submit the water audit report through certified auditors within one year of completion of the same to KGWA.

Validity of this NOC shall be subject to compliance of the following conditions:

6) The well should not be used for drawing water for any other use other than applied for.
7) The withdrawal of water should be better managed to avoid wastage of water
8) The utilized water should be recycled and reused after necessary treatment
9) The construction of rain water harvesting structures in the vicinity of the well/ bore well shall be as per the technical opinion of Senior Geologist, District Groundwater Office, Groundwater Directorate, Bidar District.
10) The utilization of water will be subject to the regulation from time to time based on the extraction of water from the well/bore well
11) The pollution of groundwater resources should be avoided
12) Water flow meter with telemetry system has to be installed and data on groundwater draft is to be maintained and submitted every month to the Authority concerned. The groundwater quality to be monitored twice in a year during pre-monsoon and post monsoon periods.
13) M/s Sai Life Sciences Limited, shall, in consultation with the Senior Geologist, District Groundwater Office, Groundwater Directorate, Bidar District, implement groundwater recharge measures for augmenting the groundwater resources of the area.
14) The photographs of the recharge structures after completion of the same are to be furnished immediately to the Senior Geologist, District Groundwater Office, Groundwater Directorate, Bidar District, for verification.
15) The Abstraction Charges should be deposited to the Karnataka Groundwater Authority account in the form of DD / Cash. Bank account details are given below:

    Bank: Canara Bank.
    Account Holder: Chairman, KGWA
    Account No:0788201052332
    IFSC code: CNRB0000788
    Account type: Current account

16) The groundwater monitoring data in respect of Sl.No.4&12 to be submitted to Senior Geologist, District Groundwater Office, Groundwater Directorate, Bidar District on regular basis through telemetry.
17) The permission is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in Sl.No. 1 to 15 and the applicant shall be liable to pay the penalties as per the provisions of act and guidelines.
18) The Karnataka Groundwater (Regulation for Protection of Sources of Drinking Water) Act, 1999 should be followed scrupulously.
19) This NOC is subject to prevailing Central/State Government rules /laws or Court orders related to construction of bore well/ groundwater withdrawal /construction of recharge or conservation structures /discharge of effluents or any such matter as applicable.
20) This NOC does not absolve the applicant / proponent of his obligation / requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
21) It is also informed that during the renewal of the NOC, depending upon the hydrogeological condition the category of the area and the site conditions, the quantity will vary from permitted quantity. The company should make alternate arrangements for the reducing

quantity for sustaining their industrial activity by means of availing water through local bodies or using the urban waste water after proper treatment.

22) The firm is bound to obey the directions of NGT/ court orders that are existing and that may be laid down in future in matters related to Groundwater withdrawal.

23) Effluent treatment plant shall ensure to prevent groundwater contamination due to leakage from unlined tanks.

This NOC has been issued as per the proceedings drawn from the meetings held under the Chairmanship of Deputy Commissioner, District Groundwater Committee, Bidar District on 01.06.2021, the proceedings drawn from Technical sub-committee meeting of KGA held on 15.07.2021.

Place:Bengaluru
Date:23.07.2021

23/7/21

Signature of Designated Officer
Karnataka Groundwater Authority

To,
M/s. Sai Life Sciences Limited,
Plot No. 79-B, 80-A, 80-B, 81-A & 82,
Kolhar Industrial Area,
Bidar taluk & District, Karnataka

Annexure-12

Secondary containment & Rainwater collection tank

Secondary containment

Rainwater collection tank

Secondary containment

Spill control kit

Annexure-13

DG stacks

Annexure -14

DG sets acoustic enclosure

Annexure-15

Noise level monitoring report from Oct-2024 to Mar-2025												
Month of monitoring	Time	Location of Monitoring (All values in dB)										
		Limit in dB	Near Security Main gate	Near DG Area	Near Compressor room	Near Boiler House	Near ETP Area	Near Canteen	Near Service Gate-2	Near Service Gate-3	Production Block	Workshop Area
Oct-24	Night	70	61.5	64	68.8	68.8	65.8	55.2	64.8	66.4	62.6	68.7
	Day	75	66	66.9	69.9	72.3	68.6	60.7	71.2	67.4	70	73.8
Nov-24	Night	70	60.4	63.3	69.8	67.4	66.3	56.4	65.8	67	63.9	67.5
	Day	75	65.6	69.3	71.7	73.5	69.5	62.9	72.4	69.2	71.4	72
Dec-24	Night	70	57.2	63	66.6	67.5	65.3	57.7	62.8	67.9	63.6	67
	Day	75	66.9	68.6	71	72.9	67.8	63.5	66.7	68.6	67.1	65.4
Jan-25	Night	70	60.7	62	69	67.7	64.2	56.3	62.5	60.5	61.6	66.5
	Day	75	67.4	67.1	70	71.4	66.4	62.9	70.2	69	71.1	72.1
Feb-25	Night	70	60	68.4	69.6	69.5	66.5	57	66.5	64.6	68.7	68.4
	Day	75	65	68.4	71.3	73.2	71	62	72.2	72.7	68.7	69.6
Mar-25	Night	70	64.3	68.1	67.4	64.7	68.2	62.4	67.9	67.5	63.4	68.4
	Day	75	64.8	67.4	71.4	72.5	71.3	62.5	65.4	70.9	68.4	71.8

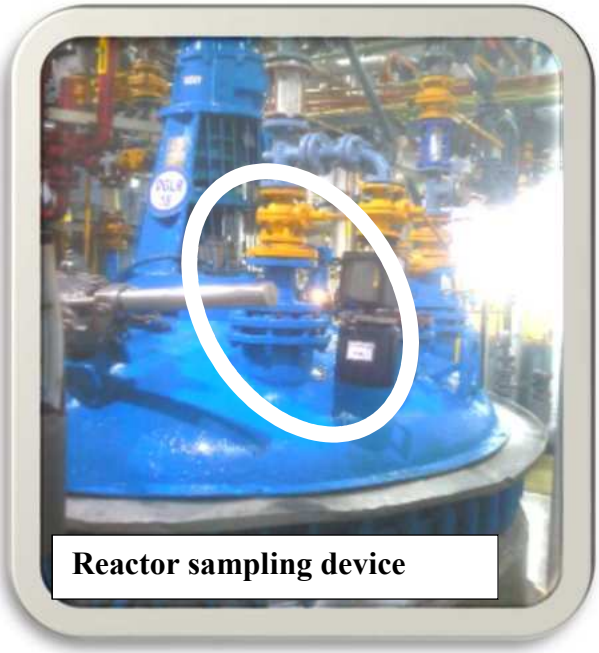
Annexure-16

Solvent storage tank farm area, Foam flooding system, Nitrogen blanketing system and Breather valve

Annexure-17

Reactor sampling device and Drum booth charging

Drum booth charging



Reactor sampling device

Annexure-18

PTS, Glove box and DCS

PTS (Powder Transfer System)

DCS (Drum Containment system)

Annexure-19

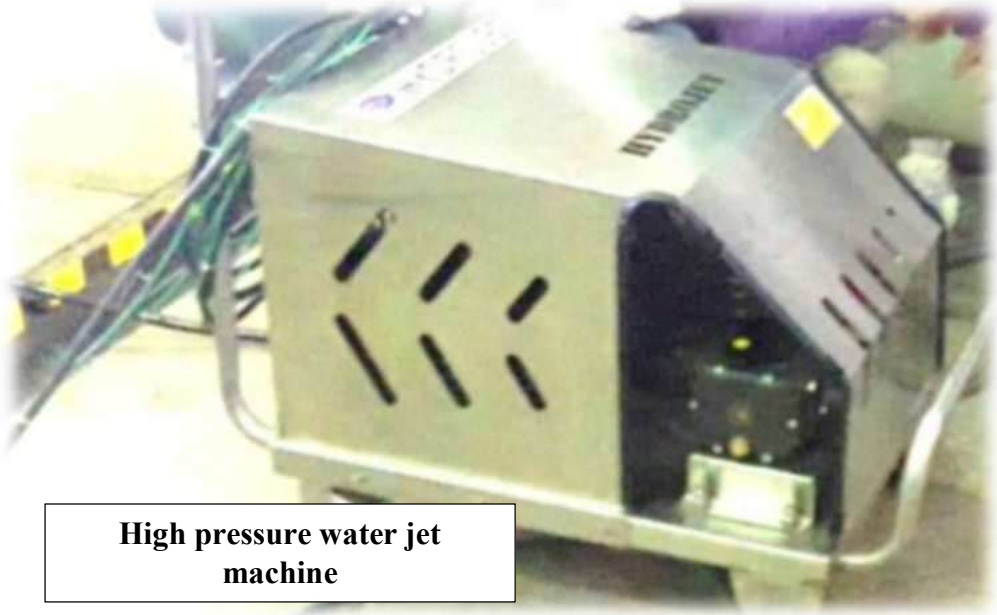
Double condenser and Vent condenser system

Double condenser

Vent condenser

Annexure-20

High pressure water jet machine



High pressure water jet machine

Annexure-21

Greenbelt photographs

Annexure-22

Corporate Environment Responsibility

- As per mentioned in OM (F.No.22-65/2017-IA.III dated 1-5-2018 of MoEF&CC had laid down certain guidelines regarding CER. According to the guidelines, CER was carried out
- There's good traction with the livelihood program, where the programs are reached to surrounding villages.
- Total spent amount for Corporate Environment Responsibility

Sl.No	Description	Spent (INR)
1.	Helping of Covid-19 pandemic	50,00,000
2.	X-Ray machine for BRIMS- Govt hospital	3,24,100
3.	Distributed of 2200 Liter Sanitizer	9,0,2000
4.	Installation of drinking water RO plant at Kolhar village.	6,34,291
5.	Hearing aids distributed to underprivileged deaf kids at bidar district	1,60,986
6.	School Construction at Chikkaballapur	2664088.
7.	Issue of Motorcycle to handicap persons	10,00,000
8.	Classrooms painting at Govt. HPS Kolhar (K).	35000
Total		**98,18,465**

We aim to take on more impactful programs in the areas of health.

1. We are contributed **50 Lakhs** for Bidar district due to COVID-19 pandemic.
2. We are donated to High frequency mobile **X-Ray machine** with Accessories for BRIMS-District government hospital.
3. We have distributed the **2200 Liter** sanitizer to surrounding villages / Govt Departments because of COVID-19 pandemic.
   a. Bellura Village: 200 L
   b. Kolhar Village: 400 L
   c. Bidar Institute of Medical Sciences : 200 L
   d. District Health Dept :200 L
   e. Bidar District Police : 150 L

f. Bidar District Administration : 750 L

g. Bidar Municipal Office : 200 L

h. Airforce Station, Bidar : 100 L

Contributed 50 Lakh to Bidar district due to COVID-19 pandemic

Distribution of hand sanitizers across Bidar

Distribution of hand sanitizers acros Bidar

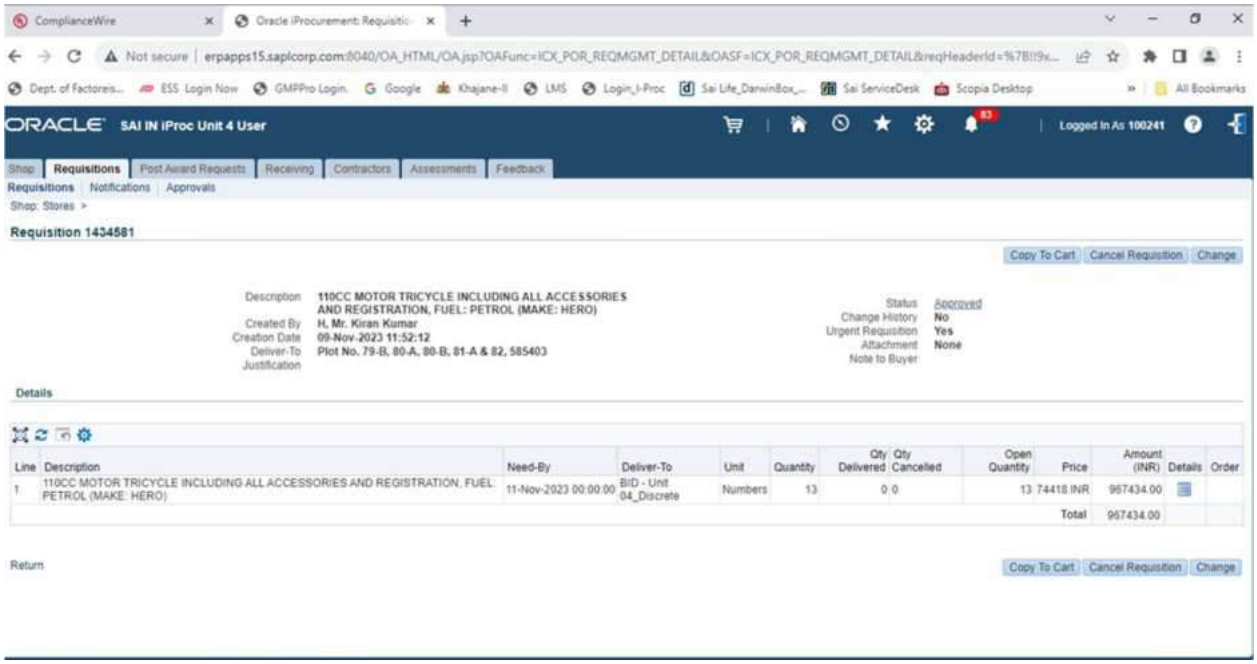
Distribution of hand sanitizers across Bidar

4. **Drinking water -RO plant at Kolhar village**

5. Hearing aids distributed to underprivileged deaf kids at bidar district

6. Construction of 6 Nos. of School rooms of size each room 6mtr x 7mtr and 1.80mtr corridor in front of the class room.

7. Issue of Motorcycle to handicap persons



8. Classrooms painting at Govt. HPS Kolhar (K).

Sai

Make it better together

Health, Safety & Environmental Policy

March 18, 2024

Sai Life Sciences considers Health, Safety and Environment (HSE) to be an integral part of long-term business strategy and a driver for sustainable growth.

We aim to protect our employees, contractors, customers, shareholders, neighbours, local communities, statutory authorities and interested parties from occupational injuries, ill-health, and environmental pollution.

We are committed to conduct our manufacturing operations and other pharmaceutical services in a safe, eco-friendly and responsible manner by:

- Adhering to all applicable compliance obligations and other requirements
- Conducting programs to maintain and improve occupational health, and social well-being of our employees and associates
- Proactively assessing health and safety risks, environmental aspects of our activities, products, and services throughout the product lifecycle
- Eliminating hazards through systematic and proactive hazard identification, risk assessment for prevention of occupational ill-health and injuries
- Protecting the environment including prevention of pollution, conservation of resources, promotion of biodiversity and ecosystems
- Reducing the carbon footprint of our operations through implementation of energy efficient technologies and utilization of renewable energy to combat climate change
- Providing a framework for setting and reviewing occupational health, safety and environment objectives and targets for continual improvement
- Enhancing awareness among employees and contractors through systematic training and by facilitating consultation and participation of employees in HSE related matters
- Communicating and making HSE policy available to all the employees, contractors and interested parties

Krishna Kanumuri
Managing Director & CEO

Sauri Gudlavalleti
Chief Operating Officer

Annexure-24
Environmental (HSE) management cell organogram.Unit-IV,Bidar

Venkata Anjaneyulu M
Deputy General Manager

Environment administration

Arvind Kumar
Manager

Raghavendra Pujari
Deputy Manager

Legal documentation and audits

ZLD Laboratory

Aishwarya B
Executive

Sangeeta
Executive

ZLD Plant operation

Naresh Siripuram
Senior Executive

Suresh Thotapally
Senior Executive

Dnyaneshwar Madhavrao Kurhe
Senior Executive

Siva Kenguva
Executive

Rahul Anil Hangarge
Executive

Sunil Emani
Executive

Santosh Kumar
Executive

Suryakanth
Executive

Hazardous waste management & Upkeep

Erappa Basappa Ranjari
Senior Executive

Shifts — **Contract Manpower**

General — **Contract Manpower**

Sustainability & Control tours

Amitkumar V
Senior Executive

Annexure-25

Environment management programs from 2021-2022 to 2024-2025

Environment management programs for the FY 2021-2022		
Sl.No	**Description**	**Spent Amount(Rs)**
1	Installation of Hood system for HTDS effluent collection tanks	554600
2	Installation of Energy efficient blower in ZLDS	1416000
3	Development of Green belt in entire site	250000
4	Installation of Drip Irrigation System for Green belt	362721
5	Installation of Compost machine for food waste	900000
6	Installation of pressure Jet Water guns in production blocks to reduce water consumption.	39362.4
7	Weather Monitoring Station	185000
8	Installation of Bag filter for 5 TPH coal fired boiler	1534000
Total Spent Amount for the FY: 2021-2022		**5241683**

Environment management programs for the FY 2022-2023		
Sl.No	**Description**	**Spent Amount (Rs.)**
1	Installation of Hood system for 75 KL HTDS effluent collection tanks	554600
2	Installation of Energy efficient blower in ZLDS	1416000
3	Development of green belt in entire site	250000
4	Installation of Drip Irrigation System for green belt	362721
5	Installation of Compost machine for food waste	900000
6	Installation of pressure Jet Water guns in production blocks to reduce water consumption.	39362.4
7	Installation of weather Monitoring Station	185000
8	Installation of Bag filter for 5 TPH coal fired boiler	1534000
9	Installation of Hood system for 140 KL HTDS effluent collection tanks	335000
10	Bag filter changed of 10 TPH boiler	292500
11	Installation of piezometer for ground water level identification	500000
Total Spent Amount for the FY: 2022-2023		**6369183.4**

Environment management programs for the FY 2023-2024		
Sl.No	**Description**	**Spent Amount (Rs.)**
1	Increase the capacity of domestic wastewater treatment plant	2800000
2	Installing the SOx, NOx analyser for a 10 TPH boiler and connecting the data to the CPCB and KSPCB servers	2000000
3	Installation of 50KLD RO reject plant	3000000

4	PB-02 scrubber replacement	1600000
5	ZLD system spares maintenance	9380000
	Total Spent Amount for the FY: 2023-2024	**18780000**

Environment management programs for the FY 2024-2025		
Sl.No	**Description**	**Spent Amount (Rs.)**
1	Elimination of underground effluent collection tanks facilities in PB-01,PB-02,PB-05 and PB-06	4000000
2	Digitalization of water consumption monitoring through IOT device	350000
3	Construction of secondary containment inside the production blocks	300000
4	Installing the treated sewage water pipeline from STP to 6-acre greenbelt area	1800000
5	Development of green belt in entire site	100000
6	Increased the efficiency of the MEE plant	1000000
7	Installation of piezometer for ground water level identification	200000
8	Installation of pressure Jet Water guns in production blocks to reduce water consumption.	20000
9	Two stacks of thermodynamic fluid heaters were replaced.	1500000
10	Handrails have been changed part of facility improvements in ZLDs area	200000
11	Installation of 150 KLD MEE system for HTDS effluent treatment	100000000
	Total Spent Amount for the FY: 2024-2025	**109470000**

Total spent amount for Environment management programs

FY	**spent amount in Lakhs**
21-22	52.416
22-23	63.691
23-24	187.800
24-25	1094.700
Total spent amount	**1398.607**

*** Total spent amount for Environment management programs: 13.98 crores**

Annexure-25
Monthly allocated budget details and Environment management programs.

Environmental department Spent amount from April-2024 to March-2025

Budget Period	Description	Spent Amount (Rs.)
Apr-24	Chemical Cost and ETP Lab Cost	354213.20
	Hazardous waste disposal handling charges	655062.00
	Steam cost (HTDS Effluent treatment)	1918620.00
	Energy Cost for ZLDS Operation	1045326.11
	Domestic effluent treatment cost	53508.53
	Mechanical spares/ service cost	50000.00
May-24	Chemical Cost and ETP Lab Cost	446340.20
	Hazardous waste disposal handling charges	897305.00
	Steam cost (HTDS Effluent treatment)	1601338.20
	Energy Cost for ZLDS Operation	999166.63
	Domestic effluent treatment cost	45081.96
	Mechanical spares/ service cost	51000.00
Jun-24	Chemical Cost and ETP Lab Cost	552096.44
	Hazardous waste disposal handling charges	616271.50
	Steam cost (HTDS Effluent treatment)	2244466.95
	Energy Cost for ZLDS Operation	1131102.02
	Domestic effluent treatment cost	45852.76
	Mechanical spares/ service cost	45000.00
Jul-24	Chemical Cost and ETP Lab Cost	473946.64
	Hazardous waste disposal handling charges	943687.00
	Steam cost (HTDS Effluent treatment)	2170791.15
	Energy Cost for ZLDS Operation	1044948.95
	Domestic effluent treatment cost	42062.78
	Mechanical spares/ service cost	55000.00
Aug-24	Chemical Cost and ETP Lab Cost	463809.72
	Hazardous waste disposal handling charges	784687.00
	Steam cost (HTDS Effluent treatment)	2525028.00
	Energy Cost for ZLDS Operation	1200315.62
	Domestic effluent treatment cost	37802.05
	Mechanical spares/ service cost	51000.00
Sep-24	Chemical Cost and ETP Lab Cost	466646.72
	Hazardous waste disposal handling charges	926572.00
	Steam cost (HTDS Effluent treatment)	2542714.35
	Energy Cost for ZLDS Operation	1239735.28
	Domestic effluent treatment cost	31774.08
	Mechanical spares/ service cost	45000.00
	Chemical Cost and ETP Lab Cost	444158.72

Oct-24	Hazardous waste disposal handling charges	682410.50
	Steam cost (HTDS Effluent treatment)	2523907.65
	Energy Cost for ZLDS Operation	1290835.22
	Domestic effluent treatment cost	31348.65
	Mechanical spares/ service cost	46000.00
Nov-24	Chemical Cost and ETP Lab Cost	362074.72
	Hazardous waste disposal handling charges	817170.00
	Steam cost (HTDS Effluent treatment)	2933396.40
	Energy Cost for ZLDS Operation	1246627.46
	Domestic effluent treatment cost	28035.03
	Mechanical spares/ service cost	45000.00
Dec-24	Chemical Cost and ETP Lab Cost	392763.92
	Hazardous waste disposal handling charges	1206514.00
	Steam cost (HTDS Effluent treatment)	2595714.00
	Energy Cost for ZLDS Operation	1187106.00
	Domestic effluent treatment cost	27812.37
	Mechanical spares/ service cost	49000.00
Jan-25	Chemical Cost and ETP Lab Cost	636201.52
	Hazardous waste disposal handling charges	1067365.50
	Steam cost (HTDS Effluent treatment)	3094510.65
	Energy Cost for ZLDS Operation	1226807.62
	Domestic effluent treatment cost	30052.14
	Mechanical spares/ service cost	55000.00
Feb-25	Chemical Cost and ETP Lab Cost	387755.44
	Hazardous waste disposal handling charges	1086035.00
	Steam cost (HTDS Effluent treatment)	2493296.85
	Energy Cost for ZLDS Operation	1033952.54
	Domestic effluent treatment cost	38342.78
	Mechanical spares/ service cost	45000.00
Mar-25	Chemical Cost and ETP Lab Cost	49800.00
	Hazardous waste disposal handling charges	1180192.00
	Steam cost (HTDS Effluent treatment)	3184510.65
	Energy Cost for ZLDS Operation	1236807.62
	Domestic effluent treatment cost	38967.00
	Mechanical spares/ service cost	49000.00
	Total effluent treament charges	**60640744.82**

Sai Make it better together

28th November 2023

To
The Additional Director,
Regional office (Southern Zone), Ministry of Environment, Forest and Climate Change,
Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, 2nd Block, Koramangala,
Bangalore – 560034.

Sub: Submission of environment audit report to comply the condition mentioned in EC No.SEIAA 36 IND 2020, received on 28-August-2020.

Ref: - Environment Clearance No. SEIAA 36 IND 2020, received on 28-August-2020

Respected Sir,

With reference to the above subject, we M/S Sai Life Sciences Limited., Unit-IV, plot No.79A, 79B, 80A, 80B, 81A, 82 and 130A, Kolhar industrial area, Bidar Taluk and District-585403, Karnataka State. We are herewith submitting the compliance of point no.9.5 mentioned in EC issued by SEIAA- Karnataka. Environment audit carried out by the Robust material technology Pvt, Ltd Bangalore. Please find the enclosed copy with respect to the above cited subject.

Kindly acknowledge receipt for the same.

Enclosed copy of Environmental audit report

Thanking You.

Yours faithfully,
For Sai Life Sciences Limited.

SAI LIFE SCIENCES LTD. BIDAR UNIT-IV

Authorized Signatory.

Cc To: 1. The Karnataka State Pollution Control Board, Plot No. 42(B -2), Naubad Industrial Area, Bidar–585 402.

2. The Member secretary, KSPCB, Parisara bhavan, Bengaluru (Karnataka).

3. The Member Secretary, SEIAA Karnataka (Ecology and Environment) Dept of Forest ecology and environment, Government of Karnataka, Room No. 709. 7th floor, 4th Gate, MS Building, Bengaluru – 560001.

ದಿನಾಂಕ 01/12/2023

DOCUMENT DETAILS

Document Number	F-07-140		
Document Name	Self environmental audit report		
Category	HEALTH, SAFETY & ENVIRONMENT FORMATs		
Version No	00	Department	HSE
Effective Date	25/Aug/2022	Next Review Date	N/A

SIGNATURES

ROLE	NAME	DESIGNATION	DEPARTMENT	DATE & TIME
PREPARED BY	Raghavendra Pujari	Deputy Manager	HSE	24/Jul/2022 15:39
REVIEWED BY	ishrarminya A Deshmukh.	Deputy Manager	QA	27/Jul/2022 17:07
REVIEWED BY	Anjaneyulu MV.	Assistant General Manager	HSE	28/Jul/2022 12:59
APPROVED BY	Kumar MSN.	Assistant General Manager	QA	03/Aug/2022 10:51

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

Date :

Note : Check its validity before use

Sr.No	Key Parameter	Yes	No	NA	Notes
I.	**Environmental Policy**				
1	Is the Environmental Policy displayed on site?	YES	–	–	NA
2	Is the Policy up to date?	YES	–	–	NA
4	Are Environmental factors included in Risk Assessments?	YES	–	–	NA
5	Are Environmental emergency procedures adequately addressed?	YES	–	–	NA
6	Are Environmental issues adequately addressed at site induction?	YES	–	–	NA
7	Are Environmental control measures described in method statements?	YES	–	–	NA
8	Are all operators briefed and aware of good Environmental practices?	YES	–	–	NA
9	Are sub-contractors conforming to the company's Environmental Policy?	YES	–	–	NA
II.	**Waste Management**				
10	Are there any procedure placed to manage the waste at site?	YES	–	–	NA
11	Dedicated Hazardous Waste storage shed available?	YES	–	–	NA
12	Is there any source segregation of waste?	YES	–	–	NA

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

Note : Check its validity before use

13	Inventory of waste management in place?	yes	–	–	NA
14	Are Hazardous Wastes stored in dedicated and leak proof containers?	yes	–	–	NA
15	Hazardous Waste leachates disposal addressing?	yes	–	–	NA
16	Is storage compatibility maintaining in waste storage shed?	yes	–	–	NA
17	Are Legal conditions are addressed as per authorization?	yes	–	–	NA
18	Are there any periodical safety inspection for hazardous Waste storage shed?	yes	–	–	NA
19	Are there any in-house pre-processing of waste in place?	yes	–	–	NA
20	Are there any training given on handling the Hazardous waste while loading, shifting?	yes	–	–	NA
21	Is Manifest system is in place?	yes	–	–	NA
22	Is Hazardous Waste disposed through authorized vendors/ recyclers/ co processors/ pre-processors?	yes	–	–	NA
23	Are there any audit control for waste recyclers/ coprocessors/ preprocessors?	yes	–	–	NA
24	Are Hazardous Waste containers labelled with Form-8?	yes	–	–	NA
25	Are facility addressing/ complying with HWM rules 2016?	yes	–	–	NA
26	Are E-waste disposal addressing as per EWM rules 2016?	yes	–	–	NA
27	Are there any segregation of E-waste items in cat, wise?	yes	–	–	NA

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

28	Are batteries waste disposal/ buy back addressing?	yes	—	—	NA
29	Are inventory of batteries usage are maintaining?	yes	—	—	NA
30	Are returns of batteries waste disposal/ recycle addressing time to time?	yes	—	—	NA
III.	**Energy Management**				
31	Is site has energy certification?	yes	—	—	NA
32	Are there any energy conservation initiatives?	yes	—	—	NA
33	Are there any renewable energy purchasing from grid?	yes	—	—	NA
34	Energy conservation addressing while projects execution?	yes	—	—	NA
35	Is there any Energy Policy?	yes	—	—	NA
36	Are there any Energy saving equipment and lighting?	yes	—	—	NA
37	Are Energy covered in organizational sustainable development goals?	yes	—	—	NA
38	Are energy consumption monitoring mechanism placed?	yes	—	—	NA
39	Are any dedicated Energy Manager at site to address the energy related concerns and conservation drives?	yes	—	—	NA
IV.	**Water and Waste water Management**				

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

Note : Check its validity before use

40	Are consents in place for discharge of water? And to extract the fresh water?	Yes	–	–	NA
41	Are fresh water distribution system addressed?	Yes	–	–	NA
42	Are water storage tanks equipped with level indicators?	Yes	–	–	NA
43	Are water conservation plans in place?	Yes	–	–	NA
44	Are recycled water utilizing for utilities?	Yes	–	–	NA
45	Are there any controls at water consumption points?	Yes	–	–	NA
46	Are there any water balance for site?	Yes	–	–	NA
47	Is there any system to track the water consumption?	Yes	–	–	NA
48	Are water consumption quantified?	Yes	–	–	NA
49	Are water consumption qty. meeting the consented quantity?	Yes	–	–	NA
50	Are all water storage tanks are above the ground?	Yes	–	–	NA
51	Are segregated effluents based on quality i.e. LTDS/ HTDS/Domestic?	Yes	–	–	NA
52	Are effluent storage and collection tanks are above the ground and impervious?	Yes	–	–	NA
53	Are the effluent treatment plants floors covered with impervious lining?	Yes	–	–	NA
54	Are the effluent tanks and lines addressed in site layout?	Yes	–	–	NA

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

Note : Check its validity before use

55	Are there any checks for underground and above the ground tanks integrity?	yes	—	—	NA
56	Are the effluent generation quantities are within the consented limits?	yes	—	—	NA
57	Are the effluent quality monitoring by third party NABL approved Lab?	yes	—	—	NA
58	Are there daily monitoring of effluents and treatment plant unit operation in in-house etp lab?	yes	—	—	NA
59	Is there any mechanism to address the effluent quality and quantity issues?	yes	—	—	NA
60	Are all the effluent tanks and pump dykes are having secondary containment?	yes	—	—	NA
61	Are effluent transfer lines are separate as per the stream segregation?	yes	—	—	NA
62	Are all the Underground tanks are tank in tank system?	yes	—	—	NA
63	Is there any mechanism to address the effluent spillages and leaks?	yes	—	—	NA
64	Are all the effluent handling pumps are having double mechanical sealed?	yes	—	—	NA
65	Are all the effluent storage tanks are having level indicators?	yes	—	—	NA
66	Are there any Standard procedure for effluents handling, treatment and its qualitative Analysis?	yes	—	—	NA
67	Are there recycled effluent using for utilities?	yes	—	—	NA
68	Are recycled effluent flow and camera connected to regulatory body?	yes	—	—	NA
69	Is there separate STP to treat the sewage? Mention capacity.	yes	—	—	NA

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

70	Are treated sewage using for in-house purpose? Like gardening?	yes	—	—	NA
71	Are sewage drains are under the ground or above the ground?	yes	—	—	NA
72	Are treated sewage quality analysis carried out by NABL approved Lab?	yes	—	—	NA
73	Are treated sewage meeting the KSPCB norms?	yes	—	—	NA
74	Are Logs maintaining for effluent generation, treatment and re-use?	yes	—	—	NA
75	Are Site addressing soil quality in and around the treatment plants by doing analysis through NABL approved lab?	yes	—	—	NA
V.	**Air Emissions Management**				
76	Are addressing air emissions quantification periodically?	yes	—	—	NA
77	Have identified Air emission sources at site?	yes	—	—	NA
78	Are there marked air emission source points in site layout?	yes	—	—	NA
79	Are there any monitoring mechanism for air emissions?	yes	—	—	NA
80	Are Site performing the ambient air quality as per NAAQ standard by the NABL approved Lab?	yes	—	—	NA
81	Ambient air monitoring carried out by NABL approved Lab on monthly basis?	yes	—	—	NA
82	Are there performance check for Air pollution control equipment i.e. scrubbers, Bag filters and dust collectors?	yes	—	—	NA
83	Are there any separate energy monitoring for APC equipments?	yes	—	—	NA

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

84	Are there any Flow scheme display boards for APC equipment?	yes	—	—	NA
85	Are there standard procedure for monitoring air emissions?	yes	—	—	NA
86	Are there any assessment checks for stacks and vents?	yes	—	—	NA
87	All process emission vents connected to scrubber?	yes	—	—	NA
88	Are the process vents connected to chilled water condensing system to condensate the low volatiles?	yes	—	—	NA
89	Are boilers equipped with bag filters?	yes	—	—	NA
90	Are coal storage area under the roof to minimize the air pollution?	yes	—	—	NA
91	Are coal shed equipped with dust suppression system?	yes	—	—	NA
92	Are coal ash disposal addressing properly?	yes	—	—	NA
93	Are stack gas emission monitoring performed on monthly by NABL approved lab?	yes	—	—	NA
94	Are stack gas particulate matter concentration within the KSPCB prescribed limit?	yes	—	—	NA
95	Is there any continuous monitoring mechanism for Stack particulate emission?	yes	—	—	NA
96	Are coal analysis carried out by the NABL approved lab? Sulfur content in coal?	yes	—	—	NA
97	Are thermic fluid analysis carried out by the NABL approve Lab?	yes	—	—	NA
98	Are DG stacks are equipped with exhaust muffler?	yes	—	—	NA

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

Note : Check its validity before use

99	Are all DG stacks, boiler stacks, scrubbers having sampling port holes?	Yes	—	—	NA
100	Are site addressing Noise monitoring in ambient?	Yes	—	—	NA
101	Are site complying the Noise standards as per CPCB and amended Noise rules 2010?	Yes	—	—	NA
102	Are DGs are having acoustic silencers and acoustic chamber to control the Noise dispersion?	Yes	—	—	NA
103	Are all DGs are affixed conformance labelling?	Yes	—	—	NA
104	Are Diesel tanks of DGs having secondary containment?	Yes	—	—	NA
VI.	**Biomedical waste Management**				
105	Are site had OHC facility? OHC managed by whom?	Yes	—	—	NA
106	Are Biomedical waste segregated as per BMW rules 2016?	Yes	—	—	NA
107	Is there any standard procedure to handle the BMW waste?	Yes	—	—	NA
108	Are BMW waste disposing to CBMWTP? Name?	Yes	—	—	NA
109	Are BMW waste handlers trained?	Yes	—	—	NA
110	Are there any vaccination/ Health history for BMW waste handlers?	Yes	—	—	NA
111	Are Transportation, storage and disposal of BMW waste complying condition mentioned in BMW rules 2016?	Yes	—	—	NA
112	Are BMW waste stored in closed shed to not to access any animals and other restricted entry?	Yes	—	—	NA

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

Note : Check its validity before use

113	Are ensuring disposal of waste within 48 Hrs?	yes	—	—	NA
114	Are maintaining all inventory and disposal of BMW waste?	yes	—	—	NA
115	Are BMW waste committee meeting held half yearly and addressing the concerns?	yes	—	—	NA
116	BMW annual returns are uploaded in company website?	yes	—	—	NA
VII.	**Storm Water Management**				
117	Are Storm drains are available at site?	yes	—	—	NA
118	Is there any integrity checks of Storm water drains?	yes	—	—	NA
119	Are there any procedure for Storm water management?	yes	—	—	NA
120	Is there any quality checking of Storm water?	yes	—	—	NA
121	Is there any storm water treated/ re-using in house?	yes	—	—	NA
122	Is there any roof top rain water collection system available?	yes	—	—	NA
123	Is there cleaning schedule for storm water drains and tanks?	yes	—	—	NA
VIII.	**Environment Permits & Legal compliance**				

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

Note : Check its validity before use

124	Are Environmental clearance is valid and up to date?	yes	-	-	NA
125	Are EC -HYR report submitting periodically to concerned board?	yes	-	-	NA
126	Are EC copy and EC-HYR report uploaded in website?	yes	-	-	NA
127	Are Consent to operate for Air and water valid?	yes	-	-	NA
128	Are CFO compliance report submitting timely to concerned board?	yes	-	-	NA
129	Are Hazardous waste authorization valid?	yes	-	-	NA
130	Are complying conditions mentioned in waste authorization and as per HWM rules 2016?	yes	-	-	NA
131	Are all disposal vendors and transporters are having valid license and authorized by regulatory?	yes	-	-	NA
132	Are Form-5 Environmental statement in place and submitted to regulatory?	yes	-	-	NA
133	Are Form-IV (hazardous waste annual returns) submitted to regulatory?	yes	-	-	NA
134	Are there any tracker for legal compliance status?	yes	-	-	NA
135	Are there any communication related to legal updates?	yes	-	-	NA
136	Are ground water authorization valid?	yes	-	-	NA
137	Are there any mechanism to address the concerns related to legal permits to Pollution board/ concerned regulatory?	yes	-	-	NA
138	Are OCEMS (online continuous effluent monitoring system) placed and connected to SPCB and CPCB server?	yes	-	-	NA

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

152	Are there any plantation drives initiated by the organization?	Yes	—	—	NA
153	Is social forestry encouraged?	Yes	—	—	NA
154	Are there ground water or treated domestic using for greenbelt?	Yes	—	—	NA
155	Are tree census report available?	Yes	—	—	NA
156	Are there any ground water table depleting plant species?	Yes	—	—	NA
157	Are green belt area mentioned in site layout?	Yes	—	—	NA
X.	**Training and competition**				
158	Are Environment covered in new employee induction training program?	Yes	—	—	NA
159	Are adequate site specific trainings address in yearly training calendar?	Yes	—	—	NA
160	Are employees trained on basic environment related issues?	Yes	—	—	NA
161	Are waste handlers (Biomedical, hazardous waste) trained?	Yes	—	—	NA
162	Are environment staff trained on new updates related to treatment of effluents and its quality monitoring?	Yes	—	—	NA
163	Are site employees are trained related to spillages and leaks concerns?	Yes	—	—	NA
164	Are site employees are known about site SDGs (Sustainable development goals)?	Yes	—	—	NA

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

165	Are contract employees are trained on environment related activities such, handling of effluents, waste and water? And importance of environment and its role in our life?	yes	—	—	NA
166	Are there any specific Environment related training modules?	yes	—	—	NA
XI.	**Environmental Management System**				
168	Are site certified by ISO 14001: 2015?	yes	—	—	NA
169	Are all Environmental aspects are covered?	yes	—	—	NA
170	Are CAPA management is in place?	yes	—	—	NA
171	Are significant aspects are addressed in systematic manner?	yes	—	—	NA
172	Are Environmental risks are addressed in adequate?	yes	—	—	NA
173	Are internal Audit performing adequately to address the concerns?	yes	—	—	NA
174	Are organization addressed HSE objectives and targets?	yes	—	—	NA
175	Are Legal register maintaining by the HSE?	yes	—	—	NA
176	Are there any IMS manuals and Procedures are in place?	yes	—	—	NA
177	Is there any dash board to address the Environment performance to the management?	yes	—	—	NA
178	Are there any review meetings to address the Environmental concerns to the management?	yes	—	—	NA

Sai Life Sciences Limited
Unit-IV

SELF ENVIRONMENTAL AUDIT REPORT

Reference SOP No. & Title: 07-65 & Monitoring of Environment Performance

179	Are dedicated Environment cell established?	Yes	—	—	NA
180	Are all building terrace are free from contamination?	Yes	—	—	NA

Note:

* All permits are within validity.
* All pollution control board instructions are followed.
* All stacks discharge emissions are within limits.

Audited By:	**Reviewed By:**	**Approved By:**
Name & Designation: P. Raghavendra & Dy Manager	**Name & Designation:** Anand Kumar & Manager	**Name & Designation:** M. V. Anjaneyulu D.G.M (HSE)
Signature: 27-Sep-2024	**Signature:** 27-Sep-2024	**Signature:** 27-Sep-24
Date: 27-Sep-2024	**Date:** 27-Sep-2024.	**Date:** 27-Sep-24

Annexure-27
Paper advertisement.

REGION — THURSDAY, OCTOBER 1, 2020

Several organisations seek justice for UP rape victim

...ll ready to hold Council poll, ...ays Regional Commissioner

'IgG Sero surveillance better to create safer workplaces'

PUBLIC NOTICE

This is to inform General Public that the State Level Environment Impact Assessment Authority-Karnataka (constituted by MoEF, Govt. of India) has cleared the proposal of M/s Sai Life Sciences Limited, Plot No. 79A, 79B, 80A, 80B, 81A, 82 and 130A, Kolhar Industrial Area, Bidar – 585403 for proposed Expansion and change in product mix of APIs, Intermediates and R & D for Custom Synthesis as per letter No. SEIAA 36 IND 2020. It is also to informed you that the copy of clearance letter is available with Karnataka State Pollution Control Board (KSPCB) offices and may also see at Web site http://kspcb.kar.nic.in and http://seiaa.karnataka.gov.in/.

Sd/-
Managing Director,
Sai Life Sciences Limited.

ತೋಟಗಾರಿಕೆ ಬೆಳೆ ಹಾನಿಗೆ ಪರಿಹಾರ ನೀಡಿ

ಕೊರೊನಾದಿಂದ ಒಬ್ಬರ ಸಾವು

ಸಾರ್ವಜನಿಕ ಪ್ರಕಟಣೆ

... SEIAA 36 IND 2020 ... 79A, 79B, 80A, 80B, 81A, 82 ಮತ್ತು 130A, ... http://kspcb.kar.nic.in ಮತ್ತು http://seina.karnataka.gov.in/ ...

ಸಹಿ/-

Annexure-28
Intimated to KSPCB-RO office, regarding obtaining new EC- Acknowledgement copy.

30th September 2020.

O/C

To,

The Environmental Officer,
Karnataka State Pollution Control Board,
Plot No. 42(B2),
Naubad Industrial Area,
Bidar -585 402.

Subject: Intimation regarding Environment Clearance received by Sai Life Sciences Limited, plot no. 79A, 79B, 80A, 80B, 81A, 82 and 130A,Unit-IV.Bidar-585403.

Ref. EC No. SEIAA 36 IND 2020 received on 28th August 2020.

Respected Sir,

With reference to the above subject, this is for your kind information that M/s Sai Life Sciences Limited Unit-04 has acquired Environmental Clearance for plot no. 79A, 79B, 80A, 80B, 81A, 82 and 130A as an APIs, Intermediates and R&D products manufacturing, Unit-iv, Bidar-585403.

Kindly acknowledge the receipt of the same.

Enclosed copy: Latest Environment Clearance.

Biological treatment plant

Thanking You,

Yours faithfully,
Sai Life Sciences Ltd.

Authorized Signatory

Sai Life Sciences Limited (CIN: U24110TG 1999PLC030970)
Plot No. 79B, 80A, 82, 81-A, 80-B, Kolhar Industrial Area, Bidar-585 403, Karnataka, INDIA.
Tel: +91 8482 232785/89 Fax: +91 8482 232239 info@sailife.com www.sailife.com

Annexure-29
STP plant and flow scheme.

STP plant process flow scheme

SHRI KRISHNA AQUA ENGINEERING WORKS
ISO 9001:2015, ISO 45001:2018
MoEFCC Recognized, NABL Accredited Laboratory.
Environmental Lab, Pollution Control Consultants
"Shri Krishna" Building, 1st Cross, Pragati Colony, Vidyanagar, **HUBLI** - 580 021. Tel. : (Lab) 0836-2375678, Mobile : +91 94480 51534, +91 94800 28018,
E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Report No :SKAEW/A/2025/EG/MAR/01	Date of Sampling	17.03.2025
Name of the Organisation : M/s. Sai Life Sciences Limited,Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area,Bidar-585403.	Date of Receipt	18.03.2025
	Date of Analysis Started	19.03.2025
	Date of Analysis Completed	22.03.2025
Name of Location : Near Maingate & Security area	Date of Report	22.03.2025
Particulars of Sample Collected : Ambient	Sampling Description	Polyethylene Container
Environmental Condition : Normal	Sampling method	IS: 5182

RESULTS

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS	NAAQ STANDARDS
01	Particulate Matter as (PM_{10})	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m3	79.2	100
02	Particulate Matter as ($PM_{2.5}$)	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m3	23.6	60
03	Sulphur Dioxide	IS:5182 (Part 2)	µg/m3	20.4	80.0
04	Nitrogen Dioxide	IS:5182 (Part 6) 2006	µg/m3	16.2	80.0
05	Carbon Monoxide	IS:5182 (Part 10)	mg/m3	1.7	2.0
06	Lead (Pb)	IS:5182 (Part 22) 2006	µg/m3	0.5	1.0
07	Arsenic (As)	CPCB Manual	Ng/m3	BDL	6.0
08	Nickel (Ni)	CPCB Manual	Ng/m3	BDL	20.0
09	Ozone (O3)	CPCB Manual	µg/m3	10.4	100.0
10	Ammonia (NH3)	CPCB Manual	µg/m3	12.8	400.0
11	Benzene (C6H6)	IS:5182 (Part 11)	µg/m3	BDL	5.0
12	Benzo (a),pyrene (BaP)	IS:5182 Part 12)	Ng/m3	BDL	1.0

INFERENCE	Report Status:-The above tested results are within the limits

Reviewed By
(Chemist)
Ribeka

30-Mar-25
checked by

End Of The Report

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

SHRI KRISHNA AQUA ENGINEERING WORKS
ISO 9001:2015, ISO 45001:2018
MoEFCC Recognized, NABL Accredited Laboratory.
Environmental Lab, Pollution Control Consultants
"Shri Krishna" Building, 1st Cross, Pragati Colony, Vidyanagar, **HUBLI** - 580 021. Tel. : (Lab) 0836-2375678, Mobile : +91 94480 51534, +91 94800 28018,
E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Report No :SKAEW/A/2025/EG/MAR/02	Date of Sampling	17.03.2025
Name of the Organisation : M/s. Sai Life Sciences Limited,Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area,Bidar-585403.	Date of Receipt	18.03.2025
	Date of Analysis Started	19.03.2025
	Date ofAnalysisCompleted	22.03.2025
Name of Location :Near ETP & Boiler Area	Date of Report	22.03.2025
Particulars of Sample Collected : Ambient	Sampling Description	Polyethylene Container
Environmental Condition : Normal	Sampling method	IS: 5182

RESULTS

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS	NAAQ STANDARDS
01	Particulate Matter as (PM_{10})	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m3	82.7	100
02	Particulate Matter as ($PM_{2.5}$)	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m3	24.3	60
03	Sulphur Dioxide	IS:5182 (Part 2)	µg/m3	17.2	80.0
04	Nitrogen Dioxide	IS:5182 (Part 6) 2006	µg/m3	14.6	80.0
05	Carbon Monoxide	IS:5182 (Part 10)	mg/m3	1.4	2.0
06	Lead (Pb)	IS:5182 (Part 22) 2006	µg/m3	0.5	1.0
07	Arsenic (As)	CPCB Manual	Ng/m3	BDL	6.0
08	Nickel (Ni)	CPCB Manual	Ng/m3	BDL	20.0
09	Ozone (O3)	CPCB Manual	µg/m3	12.8	100.0
10	Ammonia (NH3)	CPCB Manual	µg/m3	13.6	400.0
11	Benzene (C6H6)	IS:5182 (Part 11)	µg/m3	BDL	5.0
12	Benzo (a),pyrene (BaP)	IS:5182 Part 12)	Ng/m3	BDL	1.0

INFERENCE	Report Status:-The above tested results are within the limits

Reviewed By
(Chemist)
Ribeka

30-mar-25
Checked by

End Of The Report

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

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MoEFCC Recognized, NABL Accredited Laboratory.
Environmental Lab, Pollution Control Consultants
"Shri Krishna" Building, 1st Cross, Pragati Colony, Vidyanagar, **HUBLI** - 580 021. Tel. : (Lab) 0836-2375678, Mobile : +91 94480 51534, +91 94800 28018,
E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Report No : SKAEW/A/2025/EG/MAR/03	Date of Sampling	17.03.2025
Name of the Organisation : M/s. Sai Life Sciences Limited,Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area,Bidar-585403.	Date of Receipt	18.03.2025
	Date of Analysis Started	19.03.2025
	Date of Analysis Completed	22.03.2025
Name of Location : Near Wear House	Date of Report	22.03.2025
Particulars of Sample Collected : Ambient	Sampling Description	Polyethylene Container
Environmental Condition : Normal	Sampling method	IS: 5182

RESULTS

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS	NAAQ STANDARDS
01	Particulate Matter as (PM_{10})	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m3	72.3	100
02	Particulate Matter as ($PM_{2.5}$)	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m3	18.6	60
03	Sulphur Dioxide	IS:5182 (Part 2)	µg/m3	14.8	80.0
04	Nitrogen Dioxide	IS:5182 (Part 6) 2006	µg/m3	12.6	80.0
05	Carbon Monoxide	IS:5182 (Part 10)	mg/m3	1.6	2.0
06	Lead (Pb)	IS:5182 (Part 22) 2006	µg/m3	0.7	1.0
07	Arsenic (As)	CPCB Manual	Ng/m3	BDL	6.0
08	Nickel (Ni)	CPCB Manual	Ng/m3	BDL	20.0
09	Ozone (O3)	CPCB Manual	µg/m3	14.2	100.0
10	Ammonia (NH3)	CPCB Manual	µg/m3	10.8	400.0
11	Benzene (C6H6)	IS:5182 (Part 11)	µg/m3	BDL	5.0
12	Benzo (a),pyrene (BaP)	IS:5182 Part 12)	Ng/m3	BDL	1.0

INFERENCE	Report Status:-The above tested results are within the limits

Reviewed By
(Chemist)
Ribeka

30-Mar-25
checked by

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(Technical Manager)
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End Of The Report

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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Report No : SKAEW/A/2025/EG/MAR/04	Date of Sampling	17.03.2025
Name of the Organisation : M/s. Sai Life Sciences Limited,Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area,Bidar-585403.	Date of Receipt	18.03.2025
	Date of Analysis Started	19.03.2025
	Date of Analysis Completed	22.03.2025
Name of Location : Near PB-09	Date of Report	22.03.2025
Particulars of Sample Collected: Ambient	Sampling Description	Polyethylene Container
Environmental Condition : Normal	Sampling method	IS: 5182

RESULTS

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS	NAAQ STANDARDS
01	Particulate Matter as (PM_{10})	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m3	76.4	100
02	Particulate Matter as ($PM_{2.5}$)	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m3	23.2	60
03	Sulphur Dioxide	IS:5182 (Part 2)	µg/m3	19.6	80.0
04	Nitrogen Dioxide	IS:5182 (Part 6) 2006	µg/m3	10.4	80.0
05	Carbon Monoxide	IS:5182 (Part 10)	mg/m3	1.6	2.0
06	Lead (Pb)	IS:5182 (Part 22) 2006	µg/m3	0.5	1.0
07	Arsenic (As)	CPCB Manual	Ng/m3	BDL	6.0
08	Nickel (Ni)	CPCB Manual	Ng/m3	BDL	20.0
09	Ozone (O3)	CPCB Manual	µg/m3	12.7	100.0
10	Ammonia (NH3)	CPCB Manual	µg/m3	10.4	400.0
11	Benzene (C6H6)	IS:5182 (Part 11)	µg/m3	BDL	5.0
12	Benzo (a),pyrene (BaP)	IS:5182 Part 12)	Ng/m3	BDL	1.0

INFERENCE	Report Status:-The above tested results are within the limits

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(Chemist)
Ribeka

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Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

AMBIENT NOISE LEVEL MONITORING REPORT

01	Name of the industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar - 585403
02	Particulars of Sample collected	Sound Level Monitoring
03	Sample Number	SKAEW/N/2025/EG/MAR/05

RESULTS

Sl.No	LOCATIONS	Date	Time Frequency	Parameters			Limits as Per KSPCB	Protocol
				Min.	Max.	Average L_{EQ} in dB(A)		
01	Near Security Main Gate	17/03/25	06:00am to 10:00pm	63.4	66.2	64.8	75dB(A) for Day Time	IS- 9989-1981 (Reaffirmed 2008)
02	Near DG Area	17/03/25	06:00am to 10:00pm	65.5	69.4	67.4		
03	Compressor Room	17/03/25	06:00am to 10:00pm	69.3	73.6	71.4		
04	Boiler House	17/03/25	06:00am to 10:00pm	70.3	74.8	72.5		
05	ETP Area	18/03/25	06:00am to 10:00pm	70.3	72.5	71.3		
06	Near Canteen	18/03/25	06:00am to 10:00pm	60.4	64.6	62.5		
07	Near Service Gate – 2	18/03/25	06:00am to 10:00pm	63.6	67.2	65.4		
08	Near Service Gate – 3	19/03/25	06:00am to 10:00pm	69.5	72.3	70.9		
09	Production Block	19/03/25	06:00am to 10:00pm	67.4	69.5	68.4		
10	Work Shop Area	19/03/25	06:00am to 10:00pm	70.2	73.4	71.8		

Reviewed By
(Chemist)
Ribeka

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End Of The Report

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

AMBIENT NOISE LEVEL MONITORING REPORT

01	**Name of the industry**	**M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar - 585403**
02	**Particulars of Sample collected**	**Sound Level Monitoring**
03	**Sample Number**	**SKAEW/N/2025/EG/MAR/06**

RESULTS

Sl.No	LOCATIONS	Date	Time Frequency	Parameters			Limits as Per KSPCB	Protocol
				Min.	Max.	Average L_{EQ} in dB(A)		
01	Near Security Main Gate	17/03/25	10:00pm to 06:00am	62.4	66.3	64.3	70dB(A) for Night Time	IS- 9989-1981 (Reaffirmed 2008)
02	Near DG Area	17/03/25	10:00pm to 06:00am	66.2	70.1	68.1		
03	Compressor Room	17/03/25	10:00pm to 06:00am	65.5	69.3	67.4		
04	Boiler House	17/03/25	10:00pm to 06:00am	63.2	66.8	64.7		
05	ETP Area	18/03/25	10:00pm to 06:00am	67.3	69.2	68.2		
06	Near Canteen	18/03/25	10:00pm to 06:00am	60.2	64.6	62.4		
07	Near Service Gate – 2	18/03/25	10:00pm to 06:00am	66.4	69.5	67.9		
08	Near Service Gate – 3	19/03/25	10:00pm to 06:00am	65.6	69.4	67.5		
09	Production Block	19/03/25	10:00pm to 06:00am	61.2	65.7	63.4		
10	Work Shop Area	19/03/25	10:00pm to 06:00am	66.5	70.3	68.4		

Reviewed By
(Chemist)
Ribeka

30-Mar-25
checked by

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

End Of The Report

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MoEFCC Recognized, NABL Accredited Laboratory.
Environmental Lab, Pollution Control Consultants
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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

ANALYSIS REPORT OF SOURCE EMISSION

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Boiler 10TPH (DCFB02)
3	Sample Collected By	By Us
4	Date of Sample Collection	18/03/2025
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	19/03/2025
7	Sample Number	SKAEW/S/2025/EG/MAR/12
8	Date of Analysis Started	20/03/2025
9	Date of Analysis Completed	21/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	4.7
Stack Gas Temperature (^{0}C)	109
Ambient Temperature (^{0}C)	35
Stack Gas Velocity (m/s)	8.1
Rate of Sampling	27.9
Nozzle Used	3/8" dia = 7.13×10^{-5}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	57.3
Fuel Used	Coal
Diameter (m)	0.9
Cross Sectional Area of Stack (m^2)	0.636
Flow/Discharge rate (Nm^3/hr)	14953.12

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol: Indian Standard Part No.& Year	Limits as per KSPCB
1	Particulate Matter as PM	mg/Nm^3	51.4	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO_2	mg/Nm^3	232.8	IS:11255 (Part-2)1985 Reaffirmed 2012	600
3	Oxides of Nitrogen NO_x	mg/Nm^3	112.6	IS:11255 (Part-2)1985 Reaffirmed 2012	300
INFERENCE	As per KSPCB Limits, Report Status:-The measured values for the above parameters are within the limits.				

Reviewed By
(Chemist)
Ribeka

30-mar-25
checked by

End Of The Report

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

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Vidyanagar, **HUBLI** - 580 021. Tel. : (Lab) 0836-2375678,
Mobile : +91 94480 51534, +91 94800 28018,
E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

ANALYSIS REPORT OF SOURCE EMISSION

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Boiler 5TPH (DCFB01)
3	Sample Collected By	By Us
4	Date of Sample Collection	19/03/2025
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	20/03/2025
7	Sample Number	SKAEW/S/2025/EG/MAR/13
8	Date of Analysis Started	21/03/2025
9	Date of Analysis Completed	22/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	4.1
Stack Gas Temperature (^{0}C)	101
Ambient Temperature (^{0}C)	34
Stack Gas Velocity (m/s)	7.5
Rate of Sampling	26.3
Nozzle Used	3/8" dia = 7.13×10^{-5}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	60.8
Fuel Used	Coal
Diameter (m)	0.9
Cross Sectional Area of Stack (m^2)	0.636
Flow/Discharge rate (Nm^3/hr)	14095.73

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol Indian Standard Part No.& Year	Limits as per KSPCB
1	Particulate Matter as PM	mg/Nm^3	59.2	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO_2	mg/Nm^3	63.5	IS:11255 (Part-2)1985 Reaffirmed 2012	600
3	Oxides of Nitrogen NO_x	mg/Nm^3	31.8	IS:11255 (Part-2)1985 Reaffirmed 2012	300
INFERENCE	As per KSPCB Limits, Report Status:-The measured values for the above parameters are within the limits.				

Reviewed By
(Chemist)
Ribeka

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End Of The Report

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ANALYSIS REPORT OF SOURCE EMISSION

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Boiler 2TPH (DOFB03)
3	Sample Collected By	By Us
4	Date of Sample Collection	20/03/2025
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	21/03/2025
7	Sample Number	SKAEW/S/2025/EG/MAR/14
8	Date of Analysis Started	22/03/2025
9	Date of Analysis Completed	23/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	3.2
Stack Gas Temperature (^{0}C)	82
Ambient Temperature (^{0}C)	34
Stack Gas Velocity (m/s)	6.4
Rate of Sampling	23.6
Nozzle Used	3/8" dia = 7.13×10^{-5}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	67.7
Fuel Used	HSD
Diameter (m)	0.5
Cross Sectional Area of Stack (m^2)	0.196
Flow/Discharge rate (Nm^3/hr)	3905.24

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol Indian Standard Part No.& Year	Limits as per KSPCB
1	Particulate Matter as PM	mg/Nm^3	74.7	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO_2	mg/Nm^3	31.6	IS:11255 (Part-2)1985 Reaffirmed 2012	600
3	Oxides of Nitrogen NO_x	mg/Nm^3	22.4	IS:11255 (Part-2)1985 Reaffirmed 2012	300
INFERENCE	As per KSPCB Limits, Report Status:-The measured values for the above parameters are within the limits.				

Reviewed By
(Chemist)
Ribeka

30-mar-25
Checked by

End Of The Report

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ANALYSIS OF SOURCE EMISSION

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	750KVA DG Set
3	Sample Collected By	By Us
4	Date of Sample Collection	21/03/2025
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	22/03/2025
7	Sample Number	SKAEW/S/2025/EG/MAR/22
8	Date of Analysis Started	24/03/2025
9	Date of Analysis Completed	25/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	4.3
Stack Gas Temperature (^{0}C)	121
Ambient Temperature (^{0}C)	33
Stack Gas Velocity (m/s)	7.8
Rate of Sampling	25.9
Nozzle Used	3/8" dia = 7.13×10^{-5}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	61.7
Fuel Used	Diesel
Diameter (m)	0.15
Cross Sectional Area of Stack (m^2)	0.017
Flow/Discharge rate (Nm^3/hr)	370.74

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol Indian Standard Part No.& Year	Limits as per KSPCB
1	Particulate Matter as PM	mg/Nm^3	64.6	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO_2	mg/Nm^3	27.2	IS:11255 (Part-2)1985 Reaffirmed 2012	100
3	Oxides of Nitrogen NO_x	PPM	19.4	IS:11255 (Part-2)1985 Reaffirmed 2012	50

INFERENCE	As per KSPCB Limits, Report Status:-The measured values for the above parameters are within the limits.

Reviewed By
(Chemist)
Ribeka

30-Mar-25
Checked by

End Of The Report

Authorised Signatory
(Technical Manager)
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ANALYSIS REPORT OF SOURCE EMISSION

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Thermic Fluid Heater-1
3	Sample Collected By	By Us
4	Date of Sample Collection	22/03/2025
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	23/03/2025
7	Sample Number	SKAEW/S/2025/EG/MAR/23
8	Date of Analysis Started	24/03/2025
9	Date of Analysis Completed	25/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	3.4
Stack Gas Temperature (^{0}C)	76
Ambient Temperature (^{0}C)	33
Stack Gas Velocity (m/s)	6.6
Rate of Sampling	24.7
Nozzle Used	3/8" dia = 7.13×10^{-5}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	64.7
Fuel Used	Diesel
Diameter (m)	0.5
Cross Sectional Area of Stack (m^2)	0.196
Flow/Discharge rate (Nm^3/hr)	4083.17

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol Indian Standard Part No.& Year	Limits as per KSPCB
1	Particulate Matter as PM	mg/Nm^3	73.5	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO_2	mg/Nm^3	22.4	IS:11255 (Part-2)1985 Reaffirmed 2012	100
3	Oxides of Nitrogen NO_x	mg/Nm^3	17.7	IS:11255 (Part-2)1985 Reaffirmed 2012	50
INFERENCE	As per KSPCB Limits, Report Status:-The measured values for the above parameters are within the limits.				

Reviewed By
(Chemist)
Ribeka

30-Mar-25
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End Of The Report

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

ANALYSIS REPORT OF SOURCE EMISSION

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Thermic Fluid Heater-2
3	Sample Collected By	By Us
4	Date of Sample Collection	22/03/2025
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	23/03/2025
7	Sample Number	SKAEW/S/2025/EG/MAR/24
8	Date of Analysis Started	24/03/2025
9	Date of Analysis Completed	25/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	3.6
Stack Gas Temperature (^{0}C)	78
Ambient Temperature (^{0}C)	34
Stack Gas Velocity (m/s)	6.8
Rate of Sampling	25.4
Nozzle Used	3/8" dia = 7.13×10^{-5}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	62.9
Fuel Used	Diesel
Diameter (m)	0.5
Cross Sectional Area of Stack (m^2)	0.196
Flow/Discharge rate (Nm^3/hr)	4196.61

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol Indian Standard Part No.& Year	Limits as per KSPCB
1	Particulate Matter as PM	mg/Nm^3	71.2	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO_2	mg/Nm^3	19.5	IS:11255 (Part-2)1985 Reaffirmed 2012	100
3	Oxides of Nitrogen NO_x	mg/Nm^3	17.8	IS:11255 (Part-2)1985 Reaffirmed 2012	50
INFERENCE	As per KSPCB Limits, Report Status:-The measured values for the above parameters are within the limits.				

Reviewed By
(Chemist)
Ribeka

30-Mar-25
Checked by

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

End Of The Report

SHRI KRISHNA AQUA ENGINEERING WORKS
ISO 9001:2015, ISO 45001:2018
MoEFCC Recognized, NABL Accredited Laboratory.
Environmental Lab, Pollution Control Consultants
"Shri Krishna" Building, 1st Cross, Pragati Colony,
Vidyanagar, **HUBLI** - 580 021. Tel. : (Lab) 0836-2375678,
Mobile : +91 94480 51534, +91 94800 28018,
E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Scrubber
3	Sample Collected By	By us
4	Date of Sample Collection	17/03/2025
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	18/03/2025
7	Sample Number	SKAEW/S/2025/EG/MAR/07
8	Date of Analysis Started	19/03/2025
9	Date of Analysis Completed	20/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

GENERAL DETAILS

Stack ID	Scrubber DSCR 01(PB 1)	Scrubber DSCR-14(PB3)	Scrubber DSCR-19(PR&D)	Scrubber DSCR-20(PR&D)	Scrubber DSCR-26(PB-12)
Temperature	29	31	29	32	33
Velocity (m/s)	6.1	7.2	6.8	7.8	8.0
Diameter (mm)	113.21	323.46	371.98	323.46	169.82

RESULTS

Sl.No	Stack ID	PARAMETERS	PROTOCOL	UNITS	RESULTS	STANDARD
1	Scrubber – DSCR 01(PB 1)	Acid Mist	EPA Method	mg/Nm^3	21.2	35 Max
2	Scrubber – DSCR-14(PB3)	Acid Mist	EPA Method	mg/Nm^3	23.8	35 Max
3	Scrubber – DSCR-19(PR&D)	Acid Mist	EPA Method	mg/Nm^3	24.6	35 Max
4	Scrubber – DSCR-20(PR&D)	Acid Mist	EPA Method	mg/Nm^3	26.5	35 Max
5	Scrubber – DSCR-26(PB-12)	Acid Mist	EPA Method	mg/Nm^3	29.3	35 Max

INFERENCE	As Per KSPCB Standards, Report Status: The above tested results are with in the limits.

Reviewed By
(Chemist)
Ribeka

30-Mar-25
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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Scrubber
3	Sample Collected By	By us
4	Date of Sample Collection	18/03/2025
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	19/03/2025
7	Sample Number	SKAEW/S/2025/EG/08
8	Date of Analysis Started	20/03/2025
9	Date of Analysis Completed	21/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

GENERAL DETAILS

Stack ID	Scrubber DSCR04(PB4)	Scrubber DSCR 05(PB4)	Scrubber DSCR 29(PB6)	Scrubber DSCR-06(PB-6)	Scrubber DSCR-07(PB-6)
Temperature	28	30	31	30	34
Velocity (m/s)	6.7	7.0	7.5	7.3	8.1
Diameter (mm)	218.34	218.34	97.04	175.10	175.10

RESULTS

Sl.No	Stack ID	PARAMETERS	PROTOCOL	UNITS	RESULTS	STANDARD
1	Scrubber – DSCR-04(PB-4)	Acid Mist	EPA Method	mg/Nm^3	21.5	35 Max
2	Scrubber – DSCR-05(PB-4)	Acid Mist	EPA Method	mg/Nm^3	24.3	35 Max
3	Scrubber – DSCR-29(PB-6)	Acid Mist	EPA Method	mg/Nm^3	27.2	35 Max
4	Scrubber – DSCR-06(PB-6)	Acid Mist	EPA Method	mg/Nm^3	26.3	35 Max
5	Scrubber – DSCR-07(PB-6)	Acid Mist	EPA Method	mg/Nm^3	28.7	35 Max

INFERENCE	As Per KSPCB Standards, Report Status: The above tested results are with in the limits.

Reviewed By
(Chemist)
Ribeka

30-Mar-25
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End of the Report

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TEST REPORT

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Scrubber
3	Sample Collected By	By us
4	Date of Sample Collection	19/03/2025
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	20/03/2025
7	Sample Number	SKAEW/S/2025/EG/MAR/09
8	Date of Analysis Started	21/03/2025
9	Date of Analysis Completed	22/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

GENERAL DETAILS

Stack ID	Scrubber DSCR-02-01(PB6)	Scrubber DSCR-09(PB-7)	Scrubber DSCR-10(PB-7)	Scrubber DSCR-11(PB-7)	Scrubber DSCR-12(PB-7)
Temperature	30	28	31	30	29
Velocity (m/s)	7.6	6.8	7.8	7.5	7.1
Diameter (mm)	218.34	210.25	210.25	210.25	210.25

RESULTS

Sl.No	Stack ID	PARAMETERS	PROTOCOL	UNITS	RESULTS	STANDARD
1	Scrubber - DSCR-02-01(PB-6)	Acid Mist	EPA Method	mg/Nm^3	25.6	35 Max
2	Scrubber- DSCR-09(PB-7)	Acid Mist	EPA Method	mg/Nm^3	20.8	35 Max
3	Scrubber - DSCR-10(PB-7)	Acid Mist	EPA Method	mg/Nm^3	23.4	35 Max
4	Scrubber - DSCR-11(PB-7)	Acid Mist	EPA Method	mg/Nm^3	26.3	35 Max
5	Scrubber - DSCR-12(PB-7)	Acid Mist	EPA Method	mg/Nm^3	20.5	35 Max

INFERENCE	As Per KSPCB Standards, Report Status: The above tested results are with in the limits.

Reviewed By
(Chemist)
Ribeka

30-Mar-25
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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Scrubber
3	Sample Collected By	By us
4	Date of Sample Collection	20/03/2025
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	21/03/2025
7	Sample Number	SKAEW/S/2025/EG/MAR/10
8	Date of Analysis Started	22/03/2025
9	Date of Analysis Completed	23/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

GENERAL DETAILS

Stack ID	Scrubber DSCR-16(PB-08)	Scrubber DSCR-17(PB-08)	Scrubber DSCR-27(QC)	Scrubber DSCR-18(warehouse)	Scrubber DSCR08(warehouse)
Temperature	28	31	29	32	34
Velocity (m/s)	6.6	7.4	7.0	7.9	8.0
Diameter (mm)	323.46	323.46	371.98	210.25	323.46

RESULTS

Sl.No	Stack ID	PARAMETERS	PROTOCOL	UNITS	RESULTS	STANDARD
1	Scrubber – DSCR-16(PB-08)	Acid Mist	EPA Method	mg/Nm^3	21.1	35 Max
2	Scrubber – DSCR- 17(PB-08)	Acid Mist	EPA Method	mg/Nm^3	24.6	35 Max
3	Scrubber – DSCR- 27 (QC)	Acid Mist	EPA Method	mg/Nm^3	22.2	35 Max
4	Scrubber -DSCR- 18 (ware house)	Acid Mist	EPA Method	mg/Nm^3	26.5	35 Max
5	Scrubber - DSCR-08(ware house)	Acid Mist	EPA Method	mg/Nm^3	28.7	35 Max

INFERENCE	As Per KSPCB Standards, Report Status: The above tested results are with in the limits.

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(Chemist)
Ribeka

30-mar-25
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Authorised Signatory
(Technical Manager)
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End Of The Report

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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Scrubber
3	Sample Collected By	By us
4	Date of Sample Collection	21/03/2025
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	22/03/2025
7	Sample Number	SKAEW/S/2025/EG/MAR/11
8	Date of Analysis Started	24/03/2025
9	Date of Analysis Completed	25/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

GENERAL DETAILS

Stack ID	Scrubber DSCR13(warehouse)	Scrubber DSCR-22(ETP)	Scrubber DSCR-23(PB-09)	Scrubber DSCR-24(PB-10)	Scrubber DSCR-25(PB-10)	Scrubber DSCR-28(PB-2)
Temperature	31	28	33	29	27	30
Velocity (m/s)	8.1	7.3	8.3	7.7	6.1	7.6
Diameter (mm)	307.29	420.25	169.82	169.82	169.82	169.82

RESULTS

Sl.No	Stack ID	PARAMETERS	PROTOCOL	UNITS	RESULTS	STANDARD
1	Scrubber - DSCR-13(ware house)	Acid Mist	EPA Method	mg/Nm^3	27.4	35 Max
2	Scrubber - DSCR-22(ETP)	Acid Mist	EPA Method	mg/Nm^3	19.7	35 Max
3	Scrubber - DSCR-23(PB-09)	Acid Mist	EPA Method	mg/Nm^3	28.2	35 Max
4	Scrubber - DSCR-24(PB-10)	Acid Mist	EPA Method	mg/Nm^3	22.3	35 Max
5	Scrubber - DSCR-25(PB-10)	Acid Mist	EPA Method	mg/Nm^3	21.5	35 Max
6	Scrubber - DSCR-28(PB-2)	Acid Mist	EPA Method	mg/Nm^3	26.4	35 Max

INFERENCE	As Per KSPCB Standards, Report Status: The above tested results are with in the limits.

Reviewed By
(Chemist)
Ribeka

30-Mar-25
Checked by

End Of The Report

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

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Mobile : +91 94480 51534, +91 94800 28018,
E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT

1	Name of the Industry	Name of the Organisation : M/s. Sai Life Sciences Limited,Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area,Bidar-585403.
2	Stack Location	Scrubber
3	Sample Collected By	By us
4	Date of Sample Collection	15/03/2025
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	16/03/2025
7	Sample Number	SKAEW/S/2025/EG/34
8	Date of Analysis Started	17/03/2025
9	Date of Analysis Completed	18/03/2025
10	Environmental Condition	Normal
11	Sampling Method	IS:11255 (Part-3):2008

GENERAL DETAILS

Stack ID	Scrubber DSCR-30 (PB11)	Scrubber DSCR-32 (PB12)	Scrubber DSCR-31 (PB11)
Temperature	29	32	30
Velocity (m/s)	6.2	6.8	6.4
Diameter (mm)	113.21	323.46	115.18

RESULTS

Sl.No	Stack ID	PARAMETERS	PROTOCOL	UNITS	RESULTS	STANDARD
1	Scrubber – DSCR-30 (PB11)	Acid Mist	EPA Method	mg/Nm^3	24.6	35 Max
2	Scrubber – DSCR-32 (PB12)	Acid Mist	EPA Method	mg/Nm^3	28.2	35 Max
3	Scrubber – DSCR-31 (PB11)	Acid Mist	EPA Method	mg/Nm^3	26.4	35 Max

INFERENCE	As Per KSPCB Standards, Report Status: The above tested results are with in the limits.

Reviewed By
(Chemist)
Ribeka

30-Mar-25
Checked by
End of the Report

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT
WATER ANALYSIS REPORT
(Sample Drawn By Industry)

Test Report No : SKAEW/W/2025/EG/MAR/18	Report Date : 22.03.2025
Issued to : M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area,Bidar-585403	Customer reference : Walking customer
Date of Submission : 17.03.2025	Date of sample receipt : 18.03.2025
Sample Nature / Name : ETP Plant	Analysis start date : 19.03.2025
Sample Condition : Satisfactory	Analysis completion date : 22.03.2025
Sample particulars : High TDS Sample	Sampling protocol : APHA 23rd edition
Environmental Condition :	

Results

Sl No.	Parameters	Protocol	Test Result	Unit
01	Colour	APHA 23rd Edition - 2017 , 2120, B	Objectionable	------
02	Odour	APHA 23rd Edition – 2017, 2150, B	No agreeable	Hazen unit
03	pH	APHA 22nd Edition – 2017,4500-H^+ B	8.2	------
04	Conductivity	APHA 23rd Edition – 2017, 2510, B	40566	µ mhos
05	Fluoride	APHA 23rd Edition -2017 4500,F	0.34	mg/l
06	Chloride as Cl	APHA 23rd Edition -2017,4500 - Cl, I	4583	mg/l
07	Chemical oxygen demand	APHA 23rd Edition -2017 5220, B	78169	mg/l
08	Biological oxygen Demand for 3 days at 27* C	IS 3025(Part 44):1993 reaffirmed 2014	7753	mg/l
09	Sulphates	APHA 23rd Edition -2017 4500 SO4,E	129	mg/l
10	Total Dissolved solids	APHA 23rd Edition -2017 ,2540 C	23431	mg/l
11	Total Suspended solids	APHA 23rd Edition -2017 ,2540 D	1563	mg/l
12	Residual free chlorine	APHA 23rd Edition -2017,4500-Cl, I	0.15	mg/l
13	Phosphate as PO4	APHA 23rd Edition -2017 4500 –P D	5.8	mg/l
14	Sulphide as H2S	IS 3025 Part 29	4.6	mg/l
15	Phenolic Compounds as C6H5OH	APHA 23rd Edition -2017 5530- C	3.7	m.eqs/L
16	Residual Sodium Carbonate	IS 11624: 1986(RA 2009)	3.9	mg/l
17	Oil & Grease	APHA 23rd Edition -2017,5520 D	5.8	mg/L

Reviewed By
(Chemist)
Ribeka

30-Mar-25
checked by

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(Technical Manager)
Mrs. Radha M Bengeri

End Of The Report

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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT
WATER ANALYSIS REPORT
(Sample Drawn By Industry)

Test Report No : SKAEW/W/2025/EG/MAR/19	Report Date : 22.03.2025
Issued to : M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area,Bidar-585403	Customer reference : Walking customer
Date of Submission : 17.03.2025	Date of sample receipt : 18.03.2025
Sample Nature / Name : ETP Plant	Analysis start date : 19.03.2025
Sample Condition : Satisfactory	Analysis completion date : 22.03.2025
Sample particulars : ETP Feed Sample	Sampling protocol : APHA 23rd edition
Environmental Condition:	

Results

Sl No.	Parameters	Protocol	Test Result	Unit
01	Colour	APHA 23rd Edition - 2017 , 2120, B	Objectionable	------
02	Odour	APHA 23rd Edition – 2017, 2150, B	No agreeable	Hazen unit
03	pH	APHA 22nd Edition – 2017,4500-H^+ B	8.7	------
04	Conductivity	APHA 23rd Edition – 2017, 2510, B	5473	µ mhos
05	Fluoride	APHA 23rd Edition -2017 4500,F	0.22	mg/l
06	Chloride as Cl	APHA 23rd Edition -2017,4500 - Cl, I	571	mg/l
07	Chemical oxygen demand	APHA 23rd Edition -2017 5220, B	9238	mg/l
08	Biological oxygen Demand for 3 days at 27* C	IS 3025(Part 44):1993 reaffirmed 2014	3364	mg/l
09	Sulphates	APHA 23rd Edition -2017 4500 SO4,E	17	mg/l
10	Total Dissolved solids	APHA 23rd Edition -2017 ,2540 C	3073	mg/l
11	Total Suspended solids	APHA 23rd Edition -2017 ,2540 D	128	mg/l
12	Residual free chlorine	APHA 23rd Edition -2017,4500-Cl, I	0.22	mg/l
13	Phosphate as PO4	APHA 23rd Edition -2017 4500 –P D	4.6	mg/l
14	Sulphide as H2S	IS 3025 Part 29	3.2	mg/l
15	Phenolic Compounds as C6H5OH	APHA 23rd Edition -2017 5530- C	0.0003	mg/l
16	Residual Sodium Carbonate	IS 11624: 1986(RA 2009)	0.26	m.eqs/L
17	Oil & Grease	APHA 23rd Edition -2017,5520 D	5.1	mg/L

Reviewed By
(Chemist)
Ribeka

30-Mar-25
checked by

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

End Of The Report

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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT

WATER ANALYSIS REPORT
(Sample Drawn By Industry)

Test Report No : SKAEW/W/2025/EG/MAR/20	Report Date : 22.03.2025
Issued to : M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area,Bidar-585403	Customer reference : Walking customer
Date of Submission : 17.03.2025	Date of sample receipt : 18.03.2025
Sample Nature / Name : ETP Plant	Analysis start date : 19.03.2025
Sample Condition : Satisfactory	Analysis completion date : 22.03.2025
Sample particulars : ETP R O permeate water	Sampling protocol : APHA 23rd edition
Environmental Condition :	

Results

Sl.No	Parameters	Protocol	Unit	Test Result	Limits
01	pH	APHA 23rd Edition 4500 H *B	....	8.3	6.0 – 8.5
02	Odour	APHA 23rd Edition 2150-B	Agreeable	Agreeable	Agreeable
03	Chemical Oxygen Demand	APHA 23rd Edition -2017,5220B	mg/L	58	250 PPM
04	Biological oxygen Demand for 3 days at 27* C	IS 3025(Part 44):1993 reaffirmed 2014	mg/L	23	30 PPM
05	Ammonical Nitrogen	APHA 23rd Edition 2517,4500 – P D	PPM	62	100 PPM
06	Total Suspended Solids	APHA 23rd Edition ,2017, 2540 D	mg/L	Nil	100 PPM
07	Oil & Grease	APHA 23rd Edition 2017,5520 D	mg/L	Nil	10 PPM
08	Total Dissolved Solids	APHA 23rd Edition 2017,2540 C	mg/L	53	2100 Max

Reviewed By
(Chemist)
Ribeka

30-Mar-25
Checked by

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

End Of The Report

* All Parameters are with in limits

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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT

ETP WATER ANALYSIS REPORT
(Sample Drawn By Industry)

Test Report No : SKAEW/W/2025/EG/MAR/15	Report Date : 22.03.2025
Issued to : M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area,Bidar-585403	Customer reference : Walking customer
Date of Submission : 17.03.2025	Date of sample receipt : 18.03.2025
Sample Nature / Name : ETP Water	Analysis start date : 19.03.2025
Sample Condition : Satisfactory	Analysis completion date : 22.03.2025
Sample particulars : Treated effluent (R O permeate)	Sampling protocol : APHA 23rd edition
Environmental Condition:	

Results

Parameters	ETP Water	Unit	Tolerance limits
*Bioassay test , 96 hr, using fresh water fish, 90% survival in 100% effluent	Passes	....	Pass

Reviewed By
(Chemist)
Ribeka

30-Mar-25
Checked by

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

End Of The Report

* All Parameters are with in limits

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E-mail - radhabengeri@gmail.com, krishnapandhari@gmail.com

TEST REPORT

STP WATER ANALYSIS REPORT
(Sample Drawn By Industry)

Test Report No : SKAEW/W/2025/EG/MAR/16	Report Date : 22.03.2025
Issued to : M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403	Customer reference : Walking customer
Date of Submission : 17.03.2025	Date of sample receipt : 18.03.2025
Sample Nature / Name : STP water	Analysis start date : 19.03.2025
Sample Condition : Satisfactory	Analysis completion date:. 22.03.2025
Sample particulars : STP Inlet	Sampling protocol : APHA 23rd edition
Environmental Condition :	

Results

Parameters	Protocol	Result	Unit
pH	APHA 23rd Edition 4500-H+,B	10.8	.....
Biological oxygen Demand for 3 days at 27*C	IS 3025 (Part 44):1993 Reaffirmed 2009	171	mg/l
Chemical Oxygen Demand	APHA 23rd Edition 5220-B	331	mg/l
Suspended solids	APHA 23rd Edition 2540-D	132	mg/l

Reviewed By
(Chemist)
Ribeka

30-Mar-25
Checked by

End Of The Report

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

SHRI KRISHNA AQUA ENGINEERING WORKS
ISO 9001:2015, ISO 45001:2018
MoEFCC Recognized, NABL Accredited Laboratory.
Environmental Lab, Pollution Control Consultants
"Shri Krishna" Building, 1st Cross, Pragati Colony, Vidyanagar, **HUBLI** - 580 021. Tel. : (Lab) 0836-2375678, Mobile : +91 94480 51534, +91 94800 28018,
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Sample Nature / Name : STP water	Analysis start date : 19.03.2025
Sample Condition : Satisfactory	Analysis completion date : 22.03.2025
Sample particulars : STP Outlet	Sampling protocol : APHA 23rd Edition
Environmental Condition :	

Results

Parameters	Protocol	Result	Unit	Tolerance limits
pH	APHA 23rd Edition 4500-H+,B	8.1	.....	6.5 to 9.0
Biological oxygen Demand for 3 days at 27*C	IS 3025 (Part 44):1993 Reaffirmed 2009	6.8	mg/l	10
Total Suspended solids	APHA 23rd Edition 2540-D	12.6	mg/l	20
Chemical Oxygen Demand	APHA 23rd Edition 5220-B	26.2	mg/l	50
Ammonical Nitrogen (NH_4-N)	APHA 23rd Edition 4500-NO3-,B	2.7	mg/l	5
Total Nitrogen	APHA 23rd Edition 4500-NO3-,B	4.7	mg/l	10
Fecal Coliform MPN/100ml	IS 1622-1981	Not Detected	MPN	Less than100

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* All Parameters are within limits

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ANALYSIS REPORT OF FUGITIVE EMISSION

Test Report No: SKEW/VOC/2025/EG/33	Report Date: 24/03/2025
Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
Particulars of the sample	Instrument Method
Sample Collected By	BY US
Date of Collection	20/03/2025, 21/03/2025 & 22/03/2025
Analysis Start Date	24/03/2025
Analysis Completion Date	24/03/2025
Name of the Parameter	Total Volatile Organic Compounds

RESULTS

SL.NO	Description of equipment	Location	Result In PPM
1	Stripper dist.Sotage tank near 125 KLD MEE	125 KLD MEE	0.6
2	PB04 Terrace Near scrubber DSCR 04	PB04	0.5
3	PB06 Terrace	PB-06	0.9
4	PB07 First Floor wash Area	PB07	0.7
5	Pyrophoric material storage inside ware house	Ware House	0.5
6	Ware House PESO drum storage Area	Ware House	0.3
7	PB10 Terrace	PB10	0.8
8	PB07 Terrace	PB-07	1
9	PB08 Terrace	PB-08	1.2
10	PB11 Terrace	PB11	0.6

Reviewed By
(Chemist)
Ribeka

30-Mar-25
Checked by

End of the Report

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(Technical Manager)
Mrs. Radha M Bengeri

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TEST REPORT

ANALYSIS REPORT OF FUGITIVE EMISSION

Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
Particulars of the sample	Sample collected with High Volume Sampler
Sample Collected By	Enviro Consultancy Kalaburgi
Date of Collection	20/03/2025
Report No	SKAEW/F/2025/EG/MAR/25
Analysis Start Date	21/03/2025
Analysis Completion Date	22/03/2025
Method Adopted	IS-5182(Part4)-1999
Name of the Parameter	Suspended Particulate Matter

Sl NO	Name of the Location	Duration of Monitoring	Unit	Result
1	Boiler Dust	24 Hours	µg/m3	139

Reviewed By
(Chemist)
Ribeka

30-mar-25
checked by

Authorised Signatory
(Technical Manager)
Mrs. Radha M Bengeri

End Of The Report