

**From:** Anjaneyulu M V <anjaneyulu.m@sailife.com>  
**Sent:** Wednesday, November 27, 2024 17:49  
**To:** 'rosz.bng-mefcc@gov.in'  
**Cc:** Srinivasa Raju A; Neetesh Patil; Satishkumar B; Anand M; SreeKrishna Chopperla; Raghavendra Pujari; Rajendra Somnath Pagare  
**Subject:** HYR EC Compliance report (SEIAA 36 IND 2020 Dt 28-Aug-2020)- Sai Life Sciences Limited, Plot No-79A, 79-B, 80-A, 80-B, 81-A, 82 & 130A, KIADB, Bidar, Karnataka  
**Attachments:** HYR EC Compliance(SEIAA 36 IND 2020 Dtd 28th-Aug-2020)- Sai Life Sciences Limited.pdf

Dear Sir/Madam,

Pls. find the attached EC No: SEIAA 36 IND 2020 ,Dated-28-August-2020. **EC-Compliance HYR (period from April 2024 – September 2024)** 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



**Sai Life Sciences Limited**  
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

**18<sup>th</sup> November 2024**

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

**Sub:** Submission of Half-yearly EC compliance status from April-2024 to September-2024. 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

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. 7<sup>th</sup> floor, 4<sup>th</sup> Gate, MS Building, Bengaluru – 560001.

**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

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
1.	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.
2.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable.
3.	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.
4.	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.
5.	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.
6.	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	It is being followed.

**II. Air quality monitoring and preservation:**

1.	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. Stack emissions are monitored through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. 3. Our OCEMS flow meter and emission sensor have been calibrated by recognized laboratories. Refer to annexure-1.
2.	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. Fugitive emission monitoring are being carried out and the reports is attached as refer to annexure-2.
3.	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 <sub>2</sub> and NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> 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 through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. Refer to annexure-3.
4.	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. Boiler coal Sulphur content reports are attached. Refer to annexure-4.
5.	Storage of raw materials, coal etc. shall be either	Complied.

	stored in silos or in covered area to prevent dust pollution and other fugitive emissions.	<p>A. Boiler coal storage in closed shed and provided water mist to control dust dispersion into environment.</p> <p>B. Closed conveyor system to handle the coal loading activity.</p> <p>C. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM&lt; 100 mg/Nm<sup>3</sup>).</p> <p>Refer to annexure-1 &amp; 5.</p>
6.	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.	<p>Complied.</p> <p>Regular monitoring of Ambient air quality, process emission and treated effluent are being carried out.</p> <p>The monitoring report are being submitted to the KSPCB regional office-Bidar in regular intervals.</p>
7.	The national ambient air quality emission standards issued by ministry G.S.R NO. 826(E) dated 16th November, 2009 shall be complied with.	<p>Noted and shall follow the same as per the MOEF / PCB rules and guidelines.</p> <p>We are monitored of Ambient Air quality through approved laboratories and reports are submitted to KSPCB regional office on monthly basis.</p> <p>Refer to annexure-3.</p>

**III. Water quality monitoring and preservation:**

1.	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).	<p>Complied.</p> <p>We have provided online continuous monitoring of effluents (OCEMS).</p> <p>Treated effluent flow meter connected to CPCB/KSPCB servers.</p> <p>Refer to annexure-6.</p>
2.	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).	<p>Complied.</p> <p>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.</p>
3.	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,	<p>Complied.</p> <p>We have a Zero Liquid Discharge (ZLD) unit comprising of Biological ETP, Multiple Effect Evaporation system</p>

	<p>Whichever is more stringent.</p>	<p>(MEE) and Reverse Osmosis (RO) Unit. Effluent treated is used in cooling tower as a makeup.                  Raw &amp; treated effluent quality reports are submitting to the board regularly                  Refer to annexure-7.</p>
<p>4.</p>	<p>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.</p>	<p>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.                  Refer to annexure-8.</p>
<p>5.</p>	<p>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.</p>	<p>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 &amp; building pathways at site are provided with uniform sloping to drive the water towards the drainages &amp; storm drain system.                  D. We have provided adequate rainwater storage tank.                  Refer to annexure-9.</p>
<p>6.</p>	<p>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.</p>	<p>Complied.                  A. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining &amp; catch basins.                  B. We have provided adequate rainwater collection and storage tank.</p>

7.	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.	<p>Complied.</p> <p>A. All DG sets are provided with acoustic enclosures and stack height are adequate.</p> <p>B. Emissions are monitored by approved third party laboratories and reports are being submitted to Regional office on monthly basis.</p> <p>Refer to annexure-10.</p>
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**IV. Noise monitoring and prevention:**

1.	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	<p>Complied.</p> <p>A. All DG sets are provided with acoustic enclosures.</p> <p>Refer to annexure-11.</p>
2.	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.	<p>Complied.</p> <p>A. Noise levels monitoring is done at regular intervals. Noise levels report are being submitted to the PCB board regularly.</p> <p>B. Used proper lubrication to avoid excessive noise generation.</p> <p>C. Preventive maintenance in place and extended to all equipment's performed by qualified of maintenance team.</p> <p>Refer to annexure-12.</p>
3.	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	<p>Complied.</p> <p>It is being followed.</p> <p>Noise levels monitoring is done at regular intervals. Noise levels report are being submitted to the PCB board regularly.</p> <p>Refer to annexure-12.</p>

**V. Energy Conservation measures:**

1.	The energy sources for lighting purposes shall preferably be LED based.	<p>Complied.</p> <p>The energy conservation measures in unit and LED lights provided for lighting purpose.</p>
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**VI. Waste management:**

1.	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 provided in drum shed area. Refer to annexure -13.
2.	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.
<b>The company shall undertake waste minimization measures as below</b>		
3	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 -14.
	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 -15.
	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 -16.
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 -17.

### VII.Green Belt:

1.	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 40% of total area.  2. Adequate area of green belt is available in our factory premises  3. Development of greenbelt in & around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached Refer to annexure -18.
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### VIII.Safety, Public hearing and Human health issues:

1	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.
2	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.
3	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Complied. Various types of PPE are maintained and distributed to workers on regular basis.
4	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.
5	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.
6	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.
7	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. 56 Lakhs towards Providing facilities to the Govt. Hospital for Pandemic diseases control, Medical and Health facilities in villges adjacent to the Industrial area- kolhar Village and Development of Papanashini Lake within 5 year 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. There's good traction with the livelihood program, where the programs are reached to surrounding villages.  For full details refer to annexure –19.
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 – 20.
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 are attached.  Refer to annexure – 21.
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-22.  c. We had taken several environmental management programs. For full details refer to annexure-22.
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-23.  We are conducted environmental audit

**Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.  
Compliance report of EC Condition from April-2024 to September-2024.**



		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-23.
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**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. Paper advertisement given on 01-October-2020 in Regional language and English language news papers. Refer to annexure – 24.
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 – 25.
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.
5.	The project proponent shall monitor the criteria pollutants level namely; PM 10, SO <sub>2</sub> , NO <sub>x</sub> (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 – 1 & 3
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.

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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 copy of HYCRs shall not be acceptable".	Noted and being followed.
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.
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.

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Compliance report of EC Condition from April-2024 to September-2024.**



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 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.	Noted.
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 Of 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.	<p>Complied.</p> <p>A. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM&lt; 100 mg/Nm<sup>3</sup>).</p> <p>B. Cyclone separator installed followed by the bag filter and stack height is in line with norms.</p> <p>Refer to annexure – 4.</p>

2.	CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.	<p>Noted.</p> <p>1. Installed online continuous stack emission monitoring system (CSEMS) for Boiler stack, this real time data connected to KSPCB/CPCB server.</p> <p>2. We are being submitted reports to KSPCB regional office on monthly basis of boiler stack SPM (mg/Nm<sup>3</sup>) Minimum, Maximum, Average values. Refer to annexure-1.</p>
3.	Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	<p>Complied.</p> <p>Adequate control measure are available for minimizing the fugitive emission from all the vulnerable sources.</p> <p>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.</p> <p>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 -15.</p>
4.	Transportation of materials by rail/conveyor belt, wherever feasible.	<p>Complied.</p> <p>The loading of coal to boiler. The coal is transferred to boiler using closed conveyor belt. Refer to annexure – 5.</p>
5.	Encourage use of cleaner fuels (pet coke/furnace oil/LSHS may be avoided).	<p>Noted.</p> <p>It will be followed.</p>
6.	Best Available Technology may be used. For example; usage of EAF/SAF/IF in place of Cupola furnace. Usage of Supercritical technology in place of sub-critical technology.	<p>Noted.</p> <p>It will be followed.</p>
7.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33 %, wherever feasible.	<p>Complied.</p> <p>33.5% of the total available area is converted into Green belt area. Going forward to 40% of green belt as per the</p>

		<p>additional conditions regarding increasing the green belt area to 40% wherever feasible stipulated by MOEF&amp;CC, GOI dated 24-10-2019, we have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover.</p> <p>Following are the activities undertaken with regards to same:</p> <ol style="list-style-type: none"> <li>1. Extending of green belt in existing area of 6.3 acre (Sy.No 280).</li> <li>2. Development of green belt in 0.5 acre (Plot No.130A) site</li> <li>3. Plantation along the boundary wall adjacent to main road near to ZLDS plant.</li> <li>4. Development of green cover 2.5 acres in lease land as part of social forestry initiative.</li> </ol> <p>Development of greenbelt in &amp; around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached. Refer to annexure -18.</p>
8.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc,	<p>Complied</p> <ol style="list-style-type: none"> <li>1. Plantation along the boundary wall adjacent to main road near to ZLDS plant.</li> <li>2. Development of green cover 3.3 acres in lease land as part of social forestry initiative.</li> </ol>
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.

**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	Complied. The strong dedicated team manage the



	polluting)	<p>effluent in efficient manner on daily.</p> <p>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.</p>
3.	A detailed water harvesting plan may be submitted by the project proponent	<p>Complied.</p> <p>Rain water management :</p> <p>A. Storm water shall not be allowed to mix with effluent and floor washing.</p> <p>B. Spill kits are provided across all the plants. Dyke walls /curb walls are provided wherever required towards secondary containment.</p> <p>C. All the site walkways &amp; building pathways at site are provided with uniform sloping to drive the water towards the drainages &amp; storm drain system.</p> <p>C. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining &amp; catch basins.</p> <p>D. We have provided adequate rainwater storage tank.</p> <p>E. The rainwater used to utilities as makeup.</p>
4.	Zero liquid discharge wherever Techno Economically feasible	<p>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).</p> <p>The ZLDS facility includes following components:</p> <p>A. Stripper</p> <p>B. Multiple Effect Evaporator (MEE)</p> <p>C. Agitated Thin Film Dryer (ATFD)</p>

		<p>D. Primary &amp; 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 -26.</p>
5.	<p>In case, domestic waste water generation is more than 10 KLD, the industry may install STP.</p>	<p>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-27.</p>

**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.	<p>Complied.</p> <p>33.5% of the total available area is converted into Green belt area. Going forward to 40% of green belt as per the additional conditions regarding increasing the green belt area to 40% wherever feasible stipulated by MOEF&amp;CC, GOI dated 24-10-2019, we have taken steps to improve our green belt area by earmarking additional lands for plantation and green cover.</p> <p>Following are the activities undertaken with regards to same:</p> <ol style="list-style-type: none"> <li>1. Extending of green belt in existing area of 6.3 acre (Sy.No 280).</li> <li>2. Development of green belt in 0.5 acre (Plot No.130A) site</li> <li>3. Plantation along the boundary wall adjacent to main road near to ZLDS plant.</li> <li>4. Development of green cover 2.5 acres in lease land as part of social forestry initiative.</li> </ol> <p>Development of greenbelt in &amp; around the plant (Total 6888 no's of plants already planted). Greenbelt photographs are attached Refer to annexure -18.</p>
2.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.	Noted and will be complied.
3.	Dumping of waste (fly ash, slag, red mud, etc.) may be permitted only at designated locations approved by SPCBs/ PCCs.	Noted and will be followed.
4.	More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co-processing.	Noted and being followed.

**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.
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**Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.  
Compliance report of EC Condition from April-2024 to September-2024.**



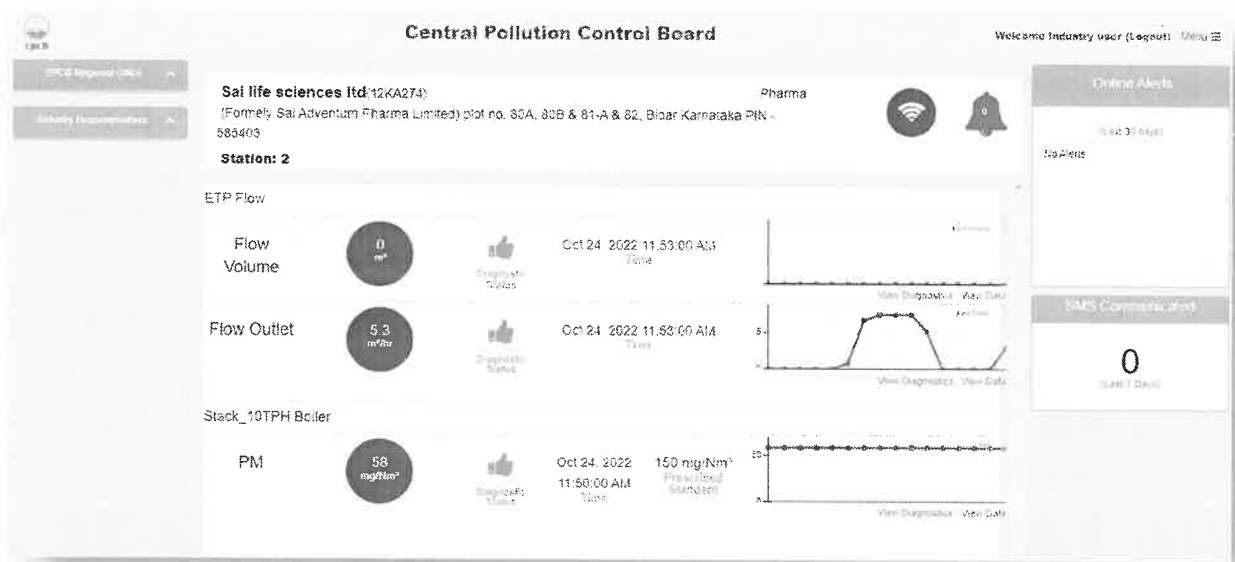
2.	The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	Noted
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**List of Annexures**

Sr. No	Description	Annexure No
1	Web portal Screenshot for KSPCB / CPCB live data streaming & Calibration reports of OCEMS system and Boiler stack emission monitoring report.	Annexure - 1
2	Fugitive emission monitoring reports	Annexure - 2
3	Ambient air quality monitoring report	Annexure - 3
4	Cyclone separator and bag filter & Stack emission monitoring report and Boiler coal Sulphur content report.	Annexure - 4
5	Dedicated coal storage shed, water mist system and closed conveyor system.	Annexure - 5
6	Web portal screenshot for CPCB and KSPCB live data streaming.	Annexure - 6
7	Treated effluent analysis reports.	Annexure - 7
8	Ground water extraction NOC.	Annexure - 8
9	Secondary containment & Rainwater collection tank.	Annexure - 9
10	DG sets stacks.	Annexure - 10
11	DG sets acoustic enclosure.	Annexure - 11
12	Noise level monitoring report.	Annexure - 12
13	Solvent storage tank farm area, Foam flooding system, Nitrogen blanketing system and Breather valve.	Annexure - 13
14	Reactor sampling device and Drum booth charging.	Annexure - 14
15	PTS, Glove box and DCS.	Annexure - 15
16	Double condenser and Vent condenser system.	Annexure - 16
17	High pressure water jet machine.	Annexure - 17
18	Greenbelt photographs.	Annexure - 18
19	Corporate Environment Responsibility (CER)	Annexure - 19
20	Health, Safety & Environmental policy.	Annexure – 20.
21	Environmental (HSE) management cell organogram.	Annexure – 21.
22	Monthly allocated budget details and Environment management programs.	Annexure – 22.

23	Self-environment audit report & Environmental audit report submitted acknowledgement.	Annexure – 23.
24	Paper advertisement.	Annexure – 24.
25	Intimated to KSPCB-RO office, regarding obtaining new EC-Acknowledgement copy.	Annexure – 25
26	ZLDS facility photographs.	Annexure – 26.
27	STP plant and flow scheme.	Annexure – 27

**Annexure-1**  
**Web portal screenshot for KSPCB/CPCB live data streaming**



<b>Boiler SPM reports for the month of Sep-2024</b>				
<b>Date</b>	<b>Minimum mg/Nm3</b>	<b>Maximum mg/Nm3</b>	<b>Avg mg/Nm3</b>	<b>Run of Boiler</b>
01-Sep-24	0	97.91	48.95	10 TPH
02-Sep-24	0.2	97.93	48.44	10 TPH
03-Sep-24	0.16	97.87	51.15	10 TPH
04-Sep-24	0.05	97.91	49.5	10 TPH
05-Sep-24	0.14	97.99	46.46	10 TPH
06-Sep-24	0	98	54.5	10 TPH
07-Sep-24	0.08	97.85	50.94	10 TPH
08-Sep-24	0.35	97.69	43.61	10 TPH
09-Sep-24	0.48	97.35	12.53	10 TPH
10-Sep-24	0.64	97.88	42.04	10 TPH
11-Sep-24	1.35	97.39	31.51	10 TPH
12-Sep-24	0	97.76	44.34	10 TPH
13-Sep-24	0	97.54	48.12	10 TPH
14-Sep-24	0	97.5	48.02	10 TPH
15-Sep-24	0.19	97.88	49.98	10 TPH
16-Sep-24	0	97.94	48.52	10 TPH
17-Sep-24	0.03	97.83	49.34	10 TPH
18-Sep-24	0.08	97.91	50.04	10 TPH
19-Sep-24	0.04	97.86	50.55	10 TPH
20-Sep-24	0	97.9	49.15	10 TPH
21-Sep-24	0	97.84	47.33	10 TPH
22-Sep-24	0.05	97.97	47.84	10 TPH
23-Sep-24	0.26	97.92	47.44	10 TPH
24-Sep-24	0	97.93	38.56	10 TPH
25-Sep-24	6.75	93.63	12.15	10 TPH
26-Sep-24	0.21	97.99	50.16	10 TPH
27-Sep-24	1.08	97.81	41.72	10 TPH
28-Sep-24	15.94	93.13	37.67	10 TPH
29-Sep-24	0	65.38	39.34	10 TPH
30-Sep-24	23.31	94.38	40.01	10 TPH

**Note: This data downloaded from OCEMS system.**





## CALIBRATION CERTIFICATE

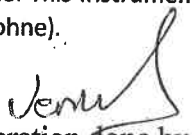
CERTIFICATE NO		NKSS/FLOW/SLSL/2024/01	
CUSTOMER / END USER		M/s. Sai Life Sciences Limited	
Date of Cal.	18-05-24	Next Cal. Date	17-05-25
SERIAL NUMBER	I5405560	INSTRUMENT	MAGNATIC FLOW METER
Make & Model	OPTIFLUX 4000	CONVERTER	IFC050
TYPE	INTIGRAL/EXTERNAL	CAL. METHOD	ELECTRONIC SIMULATOR
DN SIZE 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

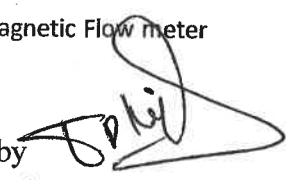
This Calibration of the sensor is checked several times over several minutes of testing. The calibration dates are entered with the serial number, & customer details in our permanent calibration database.

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

  
Calibration done by:

Venkatesh



Authorized by 

NK SQUARE SOLUTIONS

## NK SQUARE SOLUTIONS

Regd. Office : 83/3, Saraswathi Nagar Colony, Lothukunta, Secunderabad, Telangana - 500 015  
Corp. Office: 501 Yashoda Pride, Above South Indian Bank, HIG 541 & 542, 6th Phase, KPHB Colony, Hyderabad - 500 072  
Ph: +91 40 48514821 E-mail: info@nksquare.com Website : www.nksquare.com



## CALIBRATION CERTIFICATE

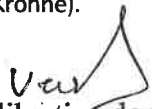
<b>CERTIFICATE NO</b>		<b>NKSS/FLOW/SLSL/2024/02</b>	
<b>CUSTOMER / END USER</b>		<b>M/s. Sai Life Sciences Limited</b>	
<b>Date of Cal.</b>	<b>18-05-24</b>	<b>Next Cal. Date</b>	<b>17-05-25</b>
<b>SERIAL NUMBER</b>	<b>I21401068</b>	<b>INSTRUMENT</b>	<b>MAGNATIC FLOW METER</b>
<b>Make &amp; Model</b>	<b>OPTIFLUX 4000</b>	<b>CONVERTER</b>	<b>IFC050</b>
<b>TYPE</b>	<b>INTIGRAL/EXTERNAL</b>	<b>CAL. METHOD</b>	<b>ELECTRONIC SIMULATOR</b>
<b>DN SIZE in MM</b>	<b>50</b>	<b>GKL VALUE</b>	<b>4.4003</b>
<b>FLOW RATE</b>	<b>22 m3/hr</b>	<b>COMMUNICATIONS</b>	<b>RS485, 4-20 mA, Pulse</b>

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	5.72	2.37	2.36	0.42	±0.4
B	7.45	4.74	4.75	-0.21	±0.4
C	10.89	9.48	9.49	-0.10	±0.4
D	0.00	0.00	0.00	0.00	±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).

  
Calibration done by:

Venkatesh



Authorized by 

NK SQUARE SOLUTIONS

## NK SQUARE SOLUTIONS

Regd. Office : 83/3, Saraswathi Nagar Colony, Lothukunta, Secunderabad, Telangana - 500 015  
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Ph: +91 40 48514821 E-mail: info@nksquare.com Website : www.nksquare.com



## CALIBRATION CERTIFICATE

CERTIFICATE NO		NKSS/FLOW/SLSL/2024/03	
CUSTOMER / END USER		M/s. Sai Life Sciences Limited	
Date of Cal.	18-05-24	Next Cal. Date	17-05-25
SERIAL NUMBER	I16409586	INSTRUMENT	MAGNATIC FLOW METER
Make & Model	OPTIFLUX 4000	CONVERTER	IFC100
TYPE	INTIGRAL/EXTERNAL	CAL. METHOD	ELECTRONIC SIMULATOR
DN SIZE in MM	50	GKL VALUE	8.1562
FLOW RATE	20 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	7.51	4.39	4.39	0.11	±0.4
B	11.03	8.79	8.79	-0.02	±0.4
C	18.06	17.57	17.57	0.03	±0.4
D	0.00	0.00	0.00	0.00	±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).

Calibration done by:

Venkaresh

Authorized by



NK SQUARE SOLUTIONS

## NK SQUARE SOLUTIONS

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Ph: +91 40 48514821 E-mail: info@nksquare.com Website : www.nksquare.com



## 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 : 17-11-2024

### 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		

 Calibrated By: <b>Venkatesh</b> Sr. Engineer - Service		 Reviewed By: <b>Prabu Kishore</b> Asst. Manager- Service
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## NK SQUARE SOLUTIONS

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**SHRI KRISHNA AQUA ENGINEERING WORKS**

ISO 9001:2015, ISO 45001:2018

MoEFCC Recognized, NABL Accredited Laboratory.

**Environmental Lab, Pollution Control Consultants**

"Shri Krishna" Building, 1<sup>st</sup> 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:SKAEW/F/2024/EG/SEP/27	Report Date: 17/09/2024
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	11/09/2024, 12/09/2024 & 13/09/2024
Analysis Start Date	14/09/2024
Analysis Completion Date	17 /09/2024
Name of the Parameter	Total Volatile Organic Compounds

**RESULTS**

SL.NO	Description of equipment	Location	Result In PPM
1	PB01 Ground Floor	PB-01	1.1
2	Near Terrace DSCR09	PB-07	1.3
3	Near PB02 First Floor	PB-02	1.2
4	Near QC Lab	QC Lab	0.9
5	Near PB08 Terrace DSCR 17	PB08	0.8
6	Near solvent tank farm area	UG	1.1
7	Near PB06 second Floor	PB06	1.3
8	Near PB12 Terrace Scrubber Area	PB-12	0.7
9	second floor intermediate area	PB-09	1.4
10	Terrace near scrubber	Ware House	1.2

Reviewed By  
(Chemist)  
Ribeka

Checked by  
CP  
25-SEP-24  
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**

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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	14/09/2024
Report No	SKAEW/F/2024/EG/SEP/26
Analysis Start Date	15/09/2024
Analysis Completion Date	17/09/2024
Method Adopted	IS-5182(Part4)-1999
Name of the Parameter	Suspended Particulate Matter

SI NO	Name of the Location	Duration of Monitoring	Unit	Result
1	Near Boiler Dust	24 Hours	µg/m <sup>3</sup>	145

  
Reviewed By  
(Chemist)  
Ribeka

Checked by  
  
25-SEP-24

End Of The Report

  
Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

**Annexure-3**  
**Ambient Air Quality monitoring reports**

Ambient air quality monitoring reports from Oct-2023 to Mar-2024						
Location	Parameters	Units	NAAQ Standards	Minimum	Maximum	Average
Location -1 Near main gate security area	PM 10	µg/m <sup>3</sup>	100	71.4	76.7	74.2
	PM 2.5	µg/m <sup>3</sup>	60	20.3	24.2	21.7
	SO <sub>2</sub>	µg/m <sup>3</sup>	80	18.7	21.4	19.8
	NO <sub>2</sub>	µg/m <sup>3</sup>	80	14.6	16.2	15.5
	Carbon Monoxide(CO)	mg/m <sup>3</sup>	2.0	1.3	1.7	1.5
	Lead (Pb)	µg/m <sup>3</sup>	1.0	0.4	0.7	0.5
	Arsenic(As)	ng/m <sup>3</sup>	6.0	BDL	BDL	BDL
	Nickel(Ni)	ng/m <sup>3</sup>	20.0	BDL	BDL	BDL
	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	100	11.5	14.7	13.3
	Ammonia(NH <sub>3</sub> )	µg/m <sup>3</sup>	400.0	9.8	11.6	10.7
	Benzene(C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	5.0	BDL	BDL	BDL
	Benzo(a),pyrene (Bap)	ng/m <sup>3</sup>	1.0	BDL	BDL	BDL
Location -2 Near warehouse	PM 10	µg/m <sup>3</sup>	100	63.8	68.7	66.4
	PM 2.5	µg/m <sup>3</sup>	60	17.4	20.2	19.0
	SO <sub>2</sub>	µg/m <sup>3</sup>	80	16.1	18.7	17.6
	NO <sub>2</sub>	µg/m <sup>3</sup>	80	12.8	15.9	14.5
	Carbon Monoxide(CO)	mg/m <sup>3</sup>	2.0	0.9	1.7	1.3
	Lead (Pb)	µg/m <sup>3</sup>	1.0	0.5	0.7	0.6
	Arsenic(As)	ng/m <sup>3</sup>	6.0	BDL	BDL	BDL
	Nickel(Ni)	ng/m <sup>3</sup>	20.0	BDL	BDL	BDL
	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	100	9.2	12.4	10.9
	Ammonia(NH <sub>3</sub> )	µg/m <sup>3</sup>	400.0	7.8	9.6	9.0
	Benzene(C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	5.0	BDL	BDL	BDL

**Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.**  
**Compliance report of EC Condition from April-2024 to September-2024**



	Benzo(a),pyrene (Bap)	ng/m <sup>3</sup>	1.0	BDL	BDL	BDL
Location -3 Near ETP & Boiler area	PM 10	µg/m <sup>3</sup>	100	68.6	78.4	73.8
	PM 2.5	µg/m <sup>3</sup>	60	20.3	25.4	23.2
	SO <sub>2</sub>	µg/m <sup>3</sup>	80	17.5	20.2	18.8
	NO <sub>2</sub>	µg/m <sup>3</sup>	80	14.4	17.5	16.0
	Carbon Monoxide(CO)	mg/m <sup>3</sup>	2.0	1.0	1.6	1.3
	Lead (Pb)	µg/m <sup>3</sup>	1.0	0.4	0.6	0.5
	Arsenic(As)	ng/m <sup>3</sup>	6.0	BDL	BDL	BDL
	Nickel(Ni)	ng/m <sup>3</sup>	20.0	BDL	BDL	BDL
	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	100	9.6	13.5	11.1
	Ammonia(NH <sub>3</sub> )	µg/m <sup>3</sup>	400.0	8.4	12.5	10.0
	Benzene(C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	5.0	BDL	BDL	BDL
Benzo(a),pyrene (Bap)	ng/m <sup>3</sup>	1.0	BDL	BDL	BDL	
Location -4 Near PB- 09	PM 10	µg/m <sup>3</sup>	100	66.2	73.8	70.2
	PM 2.5	µg/m <sup>3</sup>	60	17.4	22.2	19.9
	SO <sub>2</sub>	µg/m <sup>3</sup>	80	15.4	21.4	17.7
	NO <sub>2</sub>	µg/m <sup>3</sup>	80	11.5	17.6	14.1
	Carbon Monoxide(CO)	mg/m <sup>3</sup>	2.0	1.2	1.8	1.4
	Lead (Pb)	µg/m <sup>3</sup>	1.0	0.5	0.8	0.6
	Arsenic(As)	ng/m <sup>3</sup>	6.0	BDL	BDL	BDL
	Nickel(Ni)	ng/m <sup>3</sup>	20.0	BDL	BDL	BDL
	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	100	8.9	13.5	11.6
	Ammonia(NH <sub>3</sub> )	µg/m <sup>3</sup>	400.0	7.7	12.7	10.5
	Benzene(C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	5.0	BDL	BDL	BDL
Benzo(a),pyrene (Bap)	ng/m <sup>3</sup>	1.0	BDL	BDL	BDL	



**Annexure-4**

**Cyclone separator and Bag filter & Stack Monitoring Report and Boiler coal Sulphur content report.**

Boiler Stack Emission Monitoring Reports from Apr- 2024 to Sep-2024				
Location	Parameters	Minimum	Maximum	Average
10 TPH BOILER	PM	36.6	86.3	50.85
	SO <sub>2</sub>	25.7	221.5	183.1
	NO <sub>x</sub>	23.4	128.2	95.8

Cyclone separator



Bag filter





**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

**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



Kind Attn:Mr. Anjanayya Patri

Customer Provided Details :			
Sample Name:	Indian Coal		
Batch Number:	NA	A.R. Number:	NA
Mfg. Date:	NA	Exp. Date:	NA
Test Required:	Proximate analysis,Ulimate 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-TC54182000020845P

Chemical  
 Solid Fuels

### TEST RESULTS

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

Name and Designation of Authorized Signatory

Jyothi Ch  
 Deputy Manager



**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

**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



Page 2 of 2

Kind Attn:Mr. Anjanayya Patri

ULR-TC541820000020845P

### 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

Note: This report is subject to the terms and conditions mentioned overleaf

Vimta Labs Ltd , Life Sciences Campus, Plot No. 5, MN Park (Formerly Alexandria Knowledge Park),  
Genome Valley, Shamirpet, Medchal - Malkajgiri - 500 101, Hyderabad, Telangana,India Phone: +91-40-6740 4040

NO:LSF-B 889868

### Annexure-5

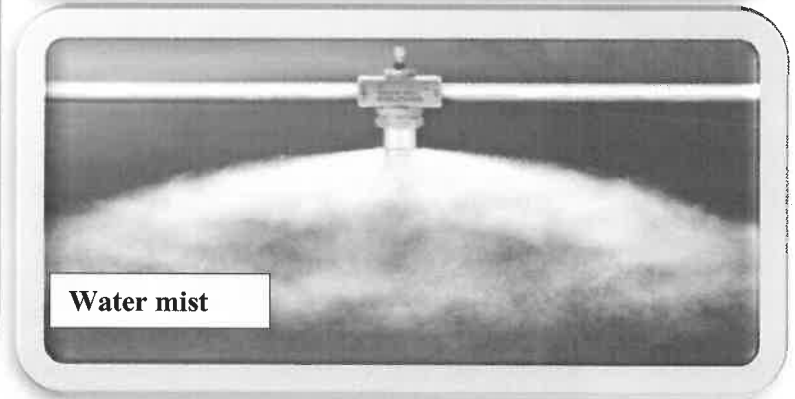
#### Dedicated coal storage shed, water mist system and closed conveyor system



Closed conveyor



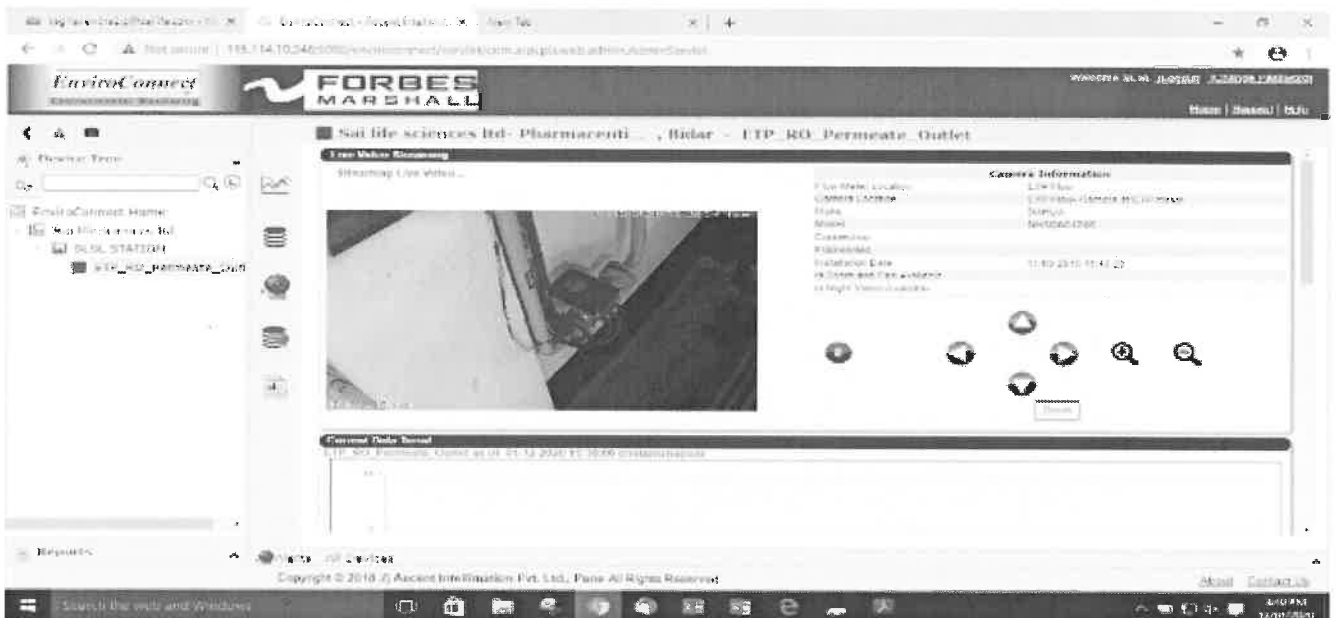
Coal storage shed

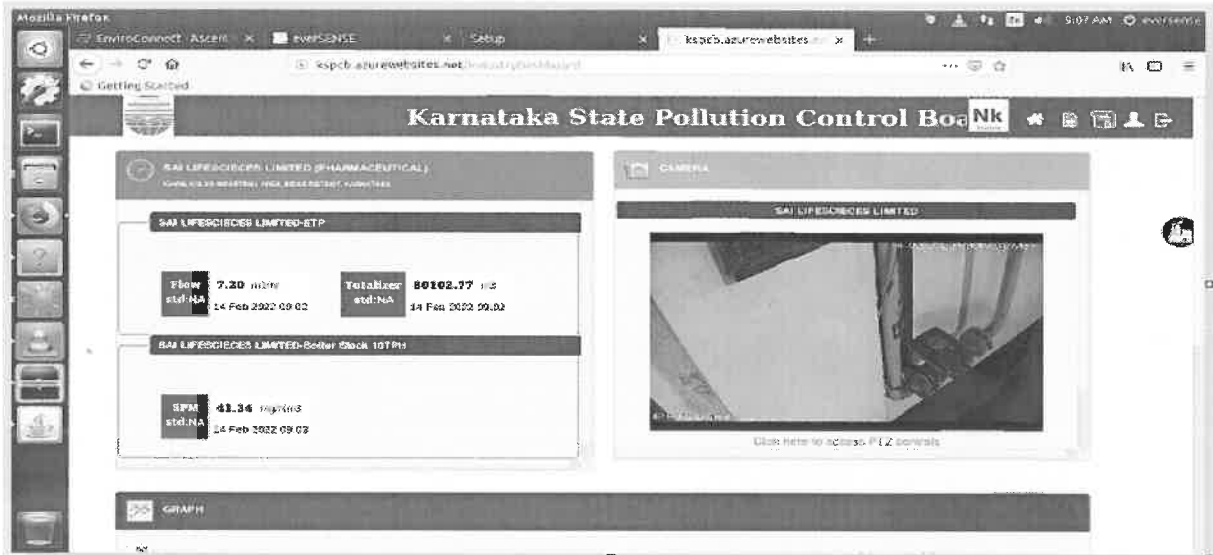


Water mist

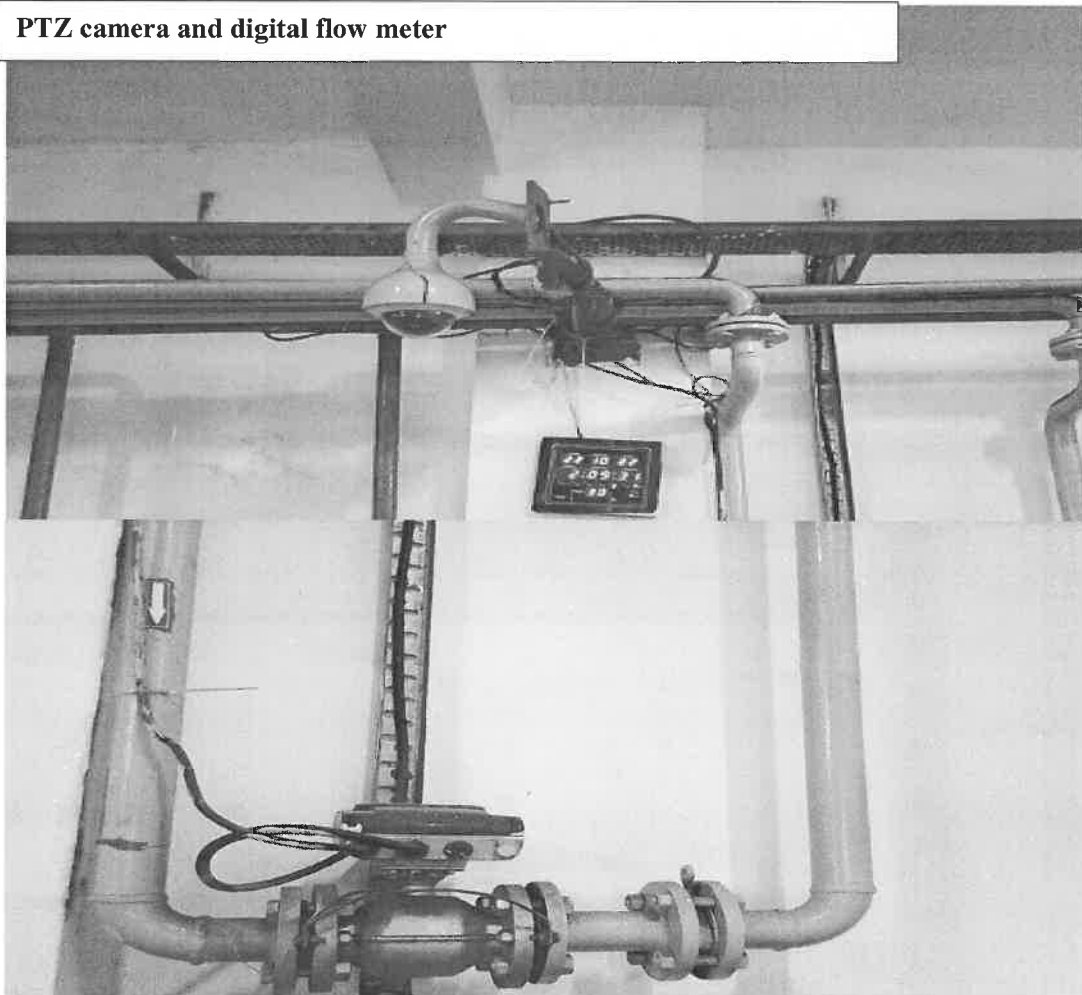
### Annexure-6

#### Web portal Screenshot for CPCB and KSPCB live data streaming





PTZ camera and digital flow meter



**Annexure-7**

**Treated effluent (RO-Permeate) analysis report from April- 2024 to September-2024**

<b>Treated effluent (RO-Permeate) analysis report</b>						
<b>Name of sample</b>	<b>Parameters</b>	<b>Units</b>	<b>Limits</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Average</b>
Treated effluent (RO-Permeate)	pH	–	6 -8.5	8.00	8.20	8.12
	Chemical Oxygen Demand	PPM	250	49.00	69.00	56.80
	Biological Oxygen Demand for 3 days at 27°C	PPM	30	20.00	23.00	21.60
	Ammonical Nitrogen	PPM	100	44.00	56.00	52.00
	Total Suspended Solids	PPM	100	Nil		
	Oil & Grease	PPM	10	Nil		
	Bioassay test	–	90% survival of fish after first 96 hours in 100% effluent	Pass		

**Annexure – 8**

**Ground water extraction NOC**



**GOVERNMENT OF KARNATAKA**

No:KGWA/GW/NOC/01/2021-22/724

Karnataka Groundwater Authority,  
No.1/1, KSFC Bhavan,  
Thimmaiah Road, Bangalore.

Dated: 23.07.2021.

E-mail: [gwdkar@gmail.com](mailto: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<sup>3</sup>/day (not exceeding 106420m<sup>3</sup>/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.

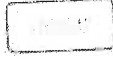
This NOC has been issued as per the proceedings drawn from the meetings held under the Chairmanship of Deputy Commissioner, District Groundwater Committee, Bidar District on 01.06.2021, the proceedings drawn from Technical sub-committee meeting of KGA held on 15.07.2021.

**Place: Bengaluru**  
**Date: 23.07.2021**

  
**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

Hello, **Sai Life Sciences Limited**



View Application

## View Application Status

HOME > Services > View Applications > Track Application

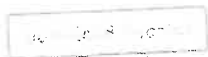
### Application Status

**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



Application Tracking

# KGWAN1565647512

APPLICATION RECEIVED



## IN PROGRESS

Approval Date/Time

Register Existing Borewell  
Approval Date/Time :

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

### NAVIGATION

Register Existing Borewell

Permission For Withdrawal Of Ground-Water(NOC)  
Track Application

Home Page

GUIDELINES

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[Application Fee Details](#)

[FAQS](#)

[USER MANUAL](#)

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**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

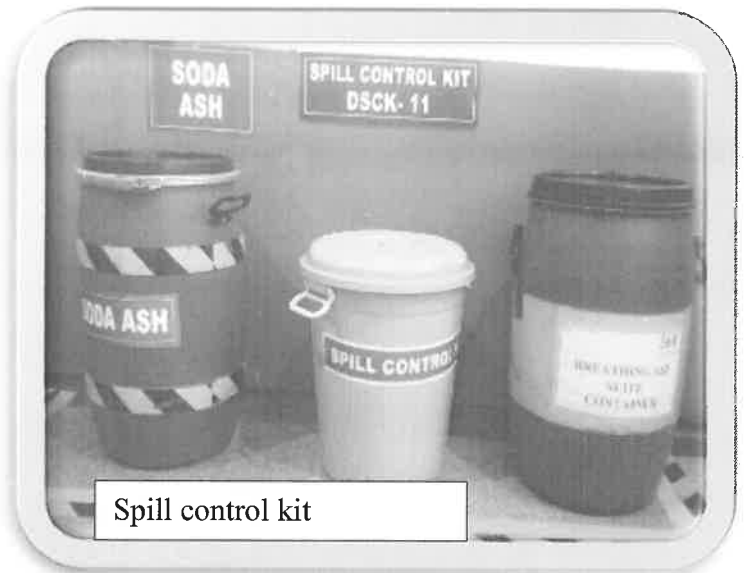
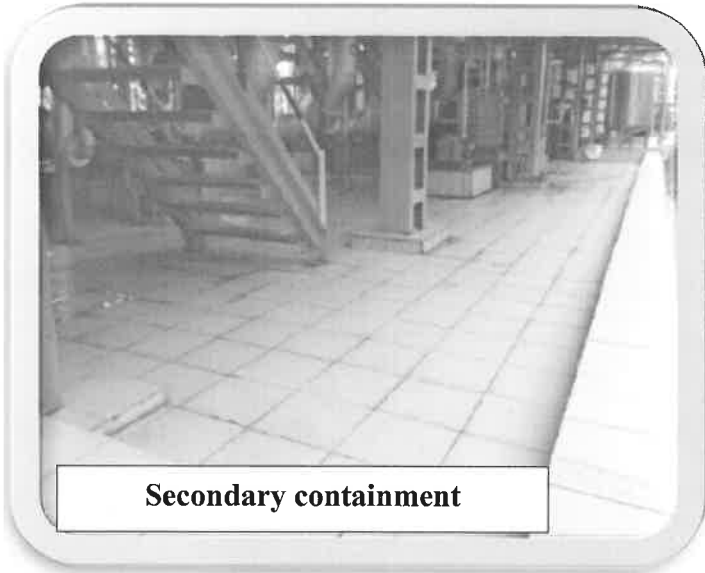
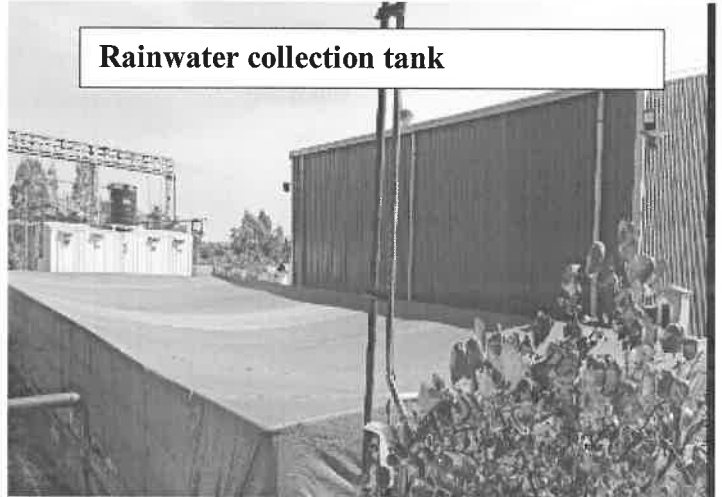
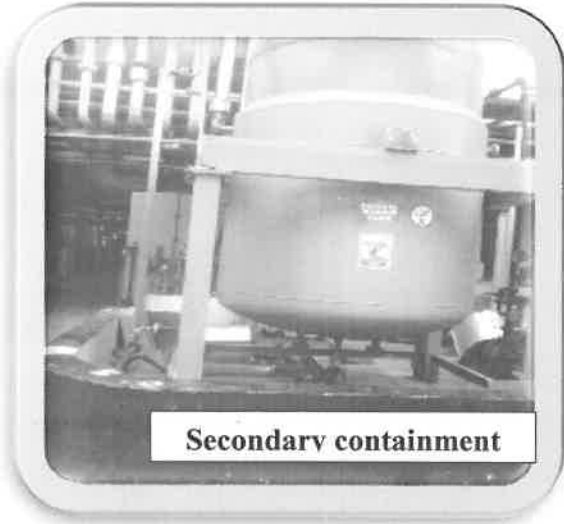
▶ info@sailife.com

▶ www.sailife.com



**Annexure-9**

**Secondary containment & Rainwater collection tank**



**Annexure-10**

**DG stacks**



**Annexure -11**

**DG sets acoustic enclosure**



Annexure-10

Stack emission monitoring reports.

Stack Emission Monitoring Reports from Oct- 2023 to Mar-2024

Location	Parameters	Limits	Units	Minimum	Maximum	Average
500 KVA DG SET	PM	150	mg/Nm3	69.8	71.8	70.8
	SO <sub>2</sub>	100	mg/Nm3	16.7	19.4	18.1
	NO <sub>x</sub>	50	ppm	14.1	18.1	16.1
750 KVA DG SET	PM	150	mg/Nm3	75.7	79.7	77.7
	SO <sub>2</sub>	100	mg/Nm3	22.3	25.6	24.0
	NO <sub>x</sub>	50	ppm	17.1	21.4	19.3
DG SET-1010 KVA-1 (DDGS-07)	PM	75	mg/Nm3	47.8	51.6	49.7
	NO <sub>x</sub>	710	ppm	27.6	28.7	28.2
	CO	150	mg/Nm3	18.9	22.5	20.7
	NMHC	100	mg/Nm3	10	12	11.0
DG SET-1010 KVA-2 (DDGS-08)	PM	75	mg/Nm3	42.9	48.1	45.5
	NO <sub>x</sub>	710	ppm	24.8	26.2	25.5
	CO	150	mg/Nm3	18.6	23.1	20.9
	NMHC	100	mg/Nm3	8	10	9.0
DG SET-2250 KVA (DDGS-09)	PM	75	mg/Nm3	52.7	55.8	54.3
	NO <sub>x</sub>	710	ppm	29.6	31.2	30.4
	CO	150	mg/Nm3	23.4	26.7	25.1
	NMHC	100	mg/Nm3	12	15	13.5
5 TPH BOILER	PM	150	mg/Nm3	73.6	90.2	83.5
	SO <sub>2</sub>	600	mg/Nm3	18.7	28.6	23.7
	NO <sub>x</sub>	300	mg/Nm3	15.4	26.4	20.0
10 TPH BOILER	PM	150	mg/Nm3	76.9	99.7	89.9
	SO <sub>2</sub>	600	mg/Nm3	22.1	34.2	27.7
	NO <sub>x</sub>	300	mg/Nm3	17.6	28.1	23.4
2 TPH BOILER	PM	150	mg/Nm3	69.5	83.1	77.3
	SOX	600	mg/Nm3	18.5	26.4	22.2
	NOX	300	mg/Nm3	15.6	20.2	18.1
THERMIC FLUID HEATER-1	PM	150	mg/Nm3	75.2	78.2	76.7
	SO <sub>2</sub>	100	mg/Nm3	20.3	24.1	22.2
	NO <sub>x</sub>	50	mg/Nm3	17.9	19.5	18.7
THERMIC FLUID HEATER-2	PM	150	mg/Nm3	72.8	74.9	73.9
	SO <sub>2</sub>	100	mg/Nm3	19.1	22.1	20.6
	NOX	50	mg/Nm3	15.6	18.1	16.9

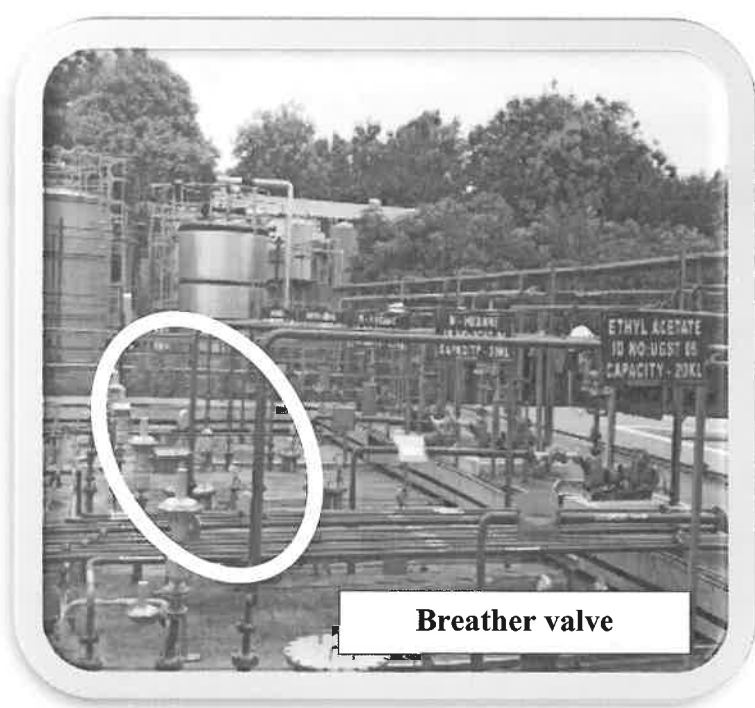
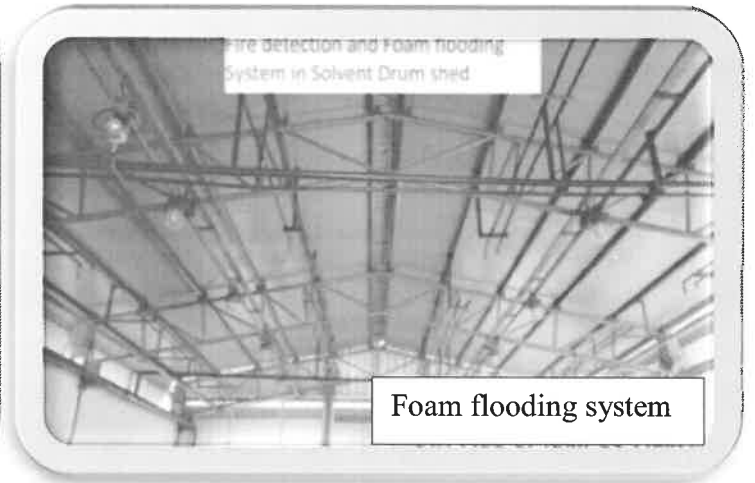
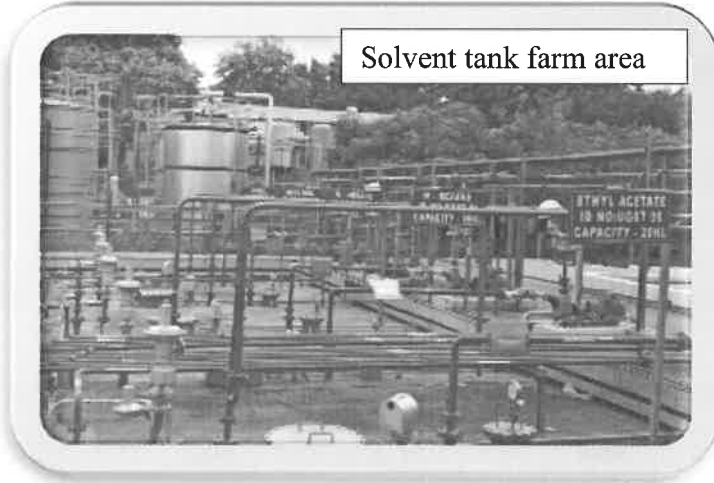


Annexure-12

Noise level monitoring report from Apr-2024 to Sep-2024												
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	Work shop Area
Apr-24	Night	70	59.2	68	67.9	68.4	61.4	48.2	61.1	60.7	64.3	61.1
	Day	75	68.8	69.2	70.2	71.2	65	53.4	66.8	67.5	69.8	68.3
May-24	Night	70	61.6	62.4	66	68	64.4	52.1	61.7	63.5	65.7	64.3
	Day	75	66.3	68.6	71.4	70.6	67.5	59.2	69.4	69.5	71.3	70.2
Jun-24	Night	70	58.7	65.2	68.5	66.8	67.7	56.6	63.8	66.5	63	68.2
	Day	75	62.9	69.9	70.4	73.1	70.6	62.1	70.3	67.9	65.8	67.9
Jul-24	Night	70	60	65	67	68.5	68.5	58.3	65.4	65.5	68.2	66.2
	Day	75	66.4	67.7	68.1	72.5	73	59.5	68.3	66.9	67.9	70.5
Aug-24	Night	70	59.7	65.4	68.5	66.8	64.3	55.4	62.9	62.1	68.1	66.8
	Day	75	64.5	67	70.2	72.2	69.5	61	71.3	71	67.9	67.9
Sep-24	Night	70	59.9	66.1	66.3	65.6	67.2	54.1	65.9	65.1	64.1	69.8
	Day	75	63.9	70.4	70.4	73.1	70.1	59.4	67.8	69.4	67.7	70.4

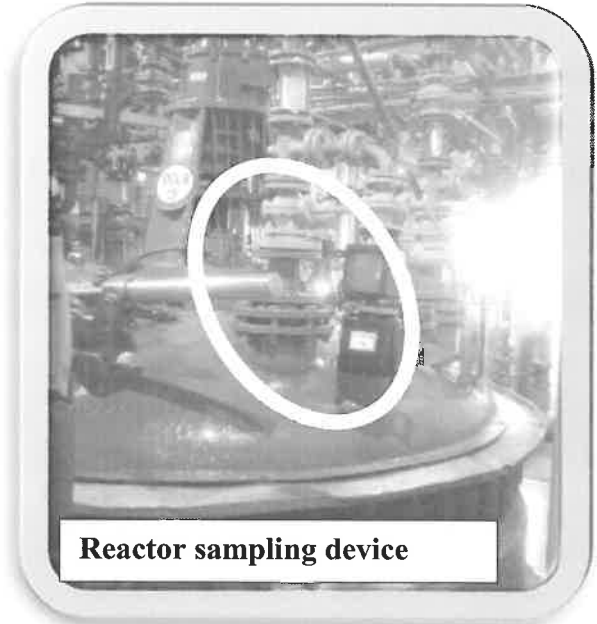
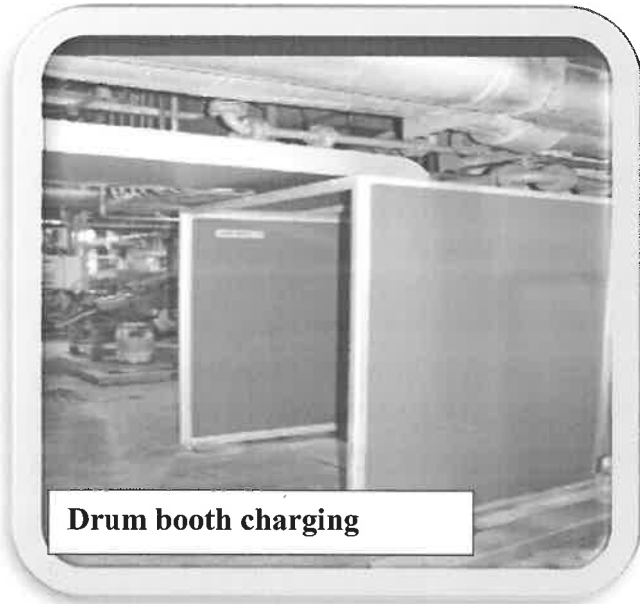
**Annexure-13**

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



**Annexure-14**

**Reactor sampling device and Drum booth charging**



**Annexure-15**

**PTS, Glove box and DCS**

**PTS (Powder Transfer System)**

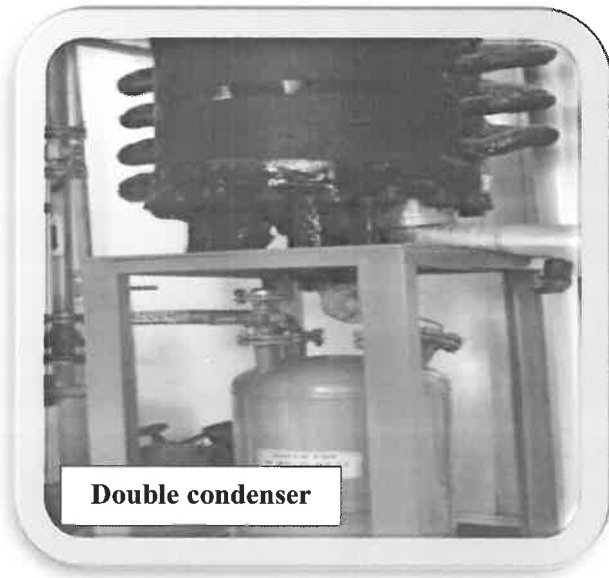


**DCS (Drum Containment system)**



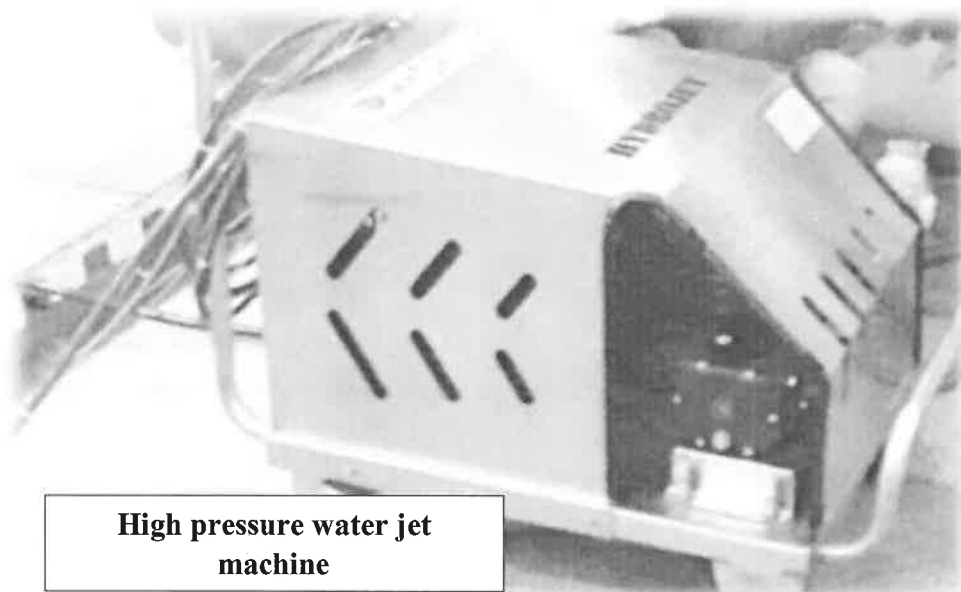
**Annexure-16**

**Double condenser and Vent condenser system**



**Annexure-17**

**High pressure water jet machine**



**Annexure-18**  
**Greenbelt photographs**



### Annexure-19

#### Corporate Environment Responsibility

There's good traction with the livelihood program, where the programs are reached to surrounding villages.

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

- I. We are contributed **50 Lakhs** for Bidar district due to COVID-19 pandemic.
- II. We are donated to High frequency mobile **X-Ray machine** with Accessories for BRIMS-District government hospital.
- III. 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

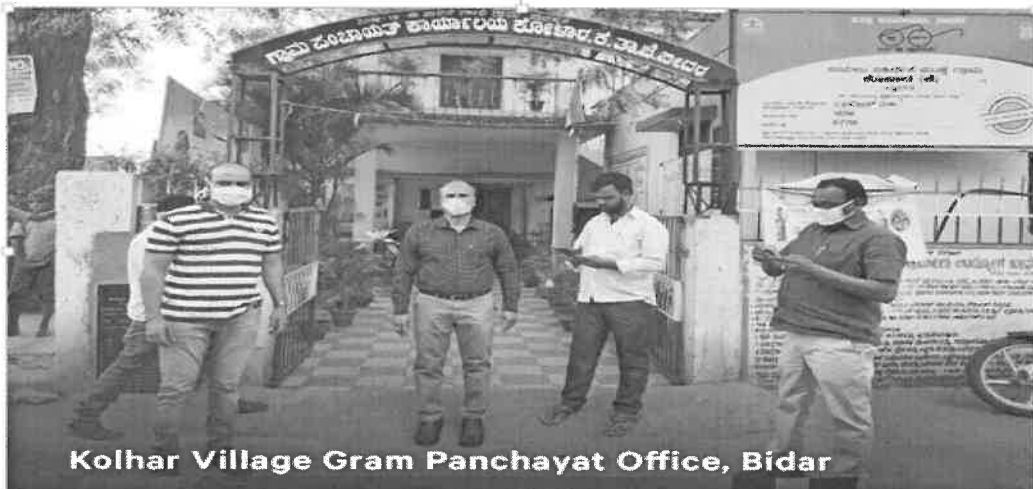
S.No	Description	Spent (INR)
1.	Helping of Covid-19 pandemic	50,00,000
2.	X-Ray machine for BRIMS- Govt hospital	3,24,100
3.	Distributed of 2200 Liter Sanitizer	9,0,2000
4.	Installation of drinking water RO plant at Kolhar village.	6,34,291
5.	Hearing aids distributed to underprivileged deaf kids at bidar district	1,60,986
<b>Total</b>		<b>70,21,377</b>

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



◀ Sai

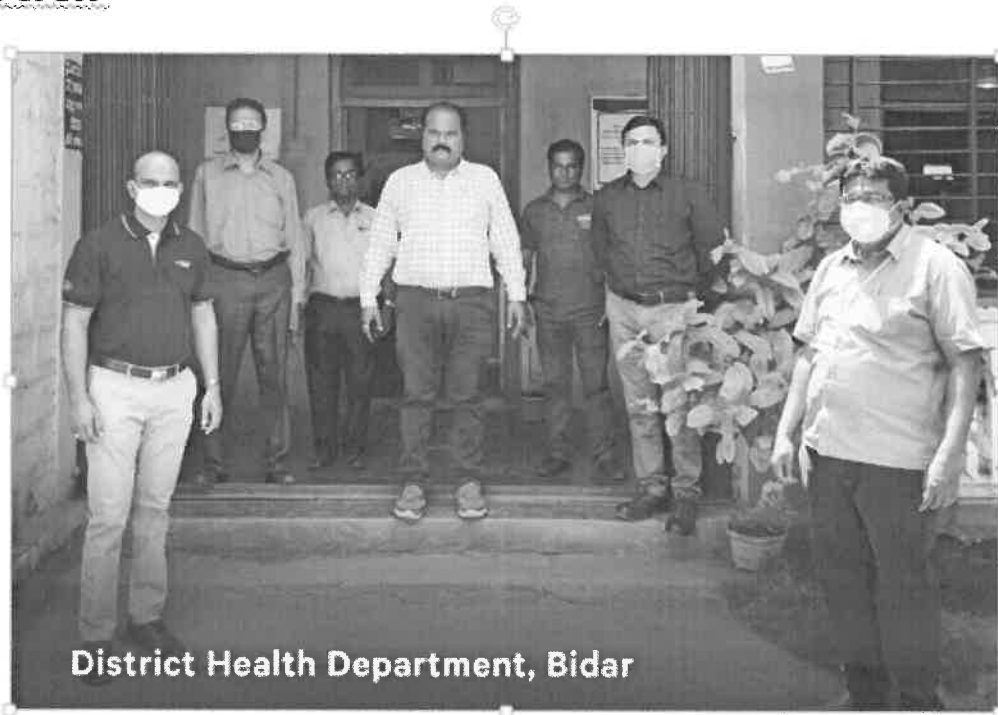
## Distribution of hand sanitizers across Bidar



Kolhar Village Gram Panchayat Office, Bidar

◀ Sai

## Distribution of hand sanitizers across Bidar



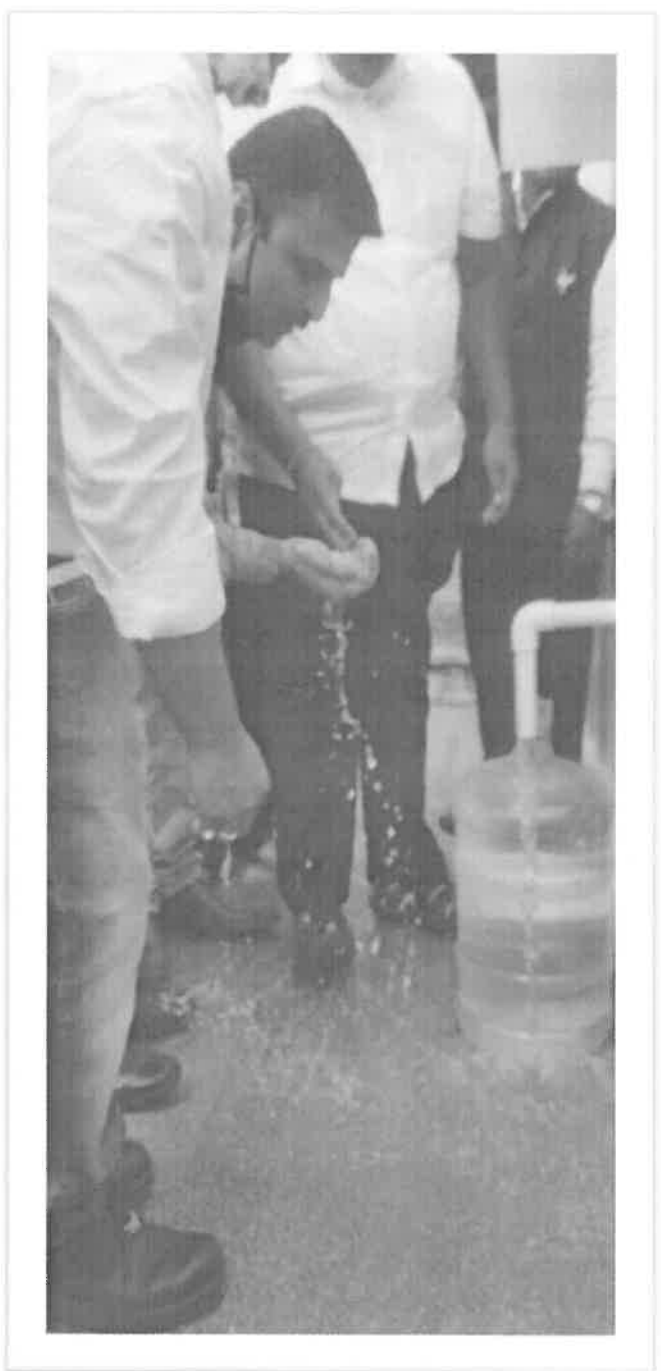
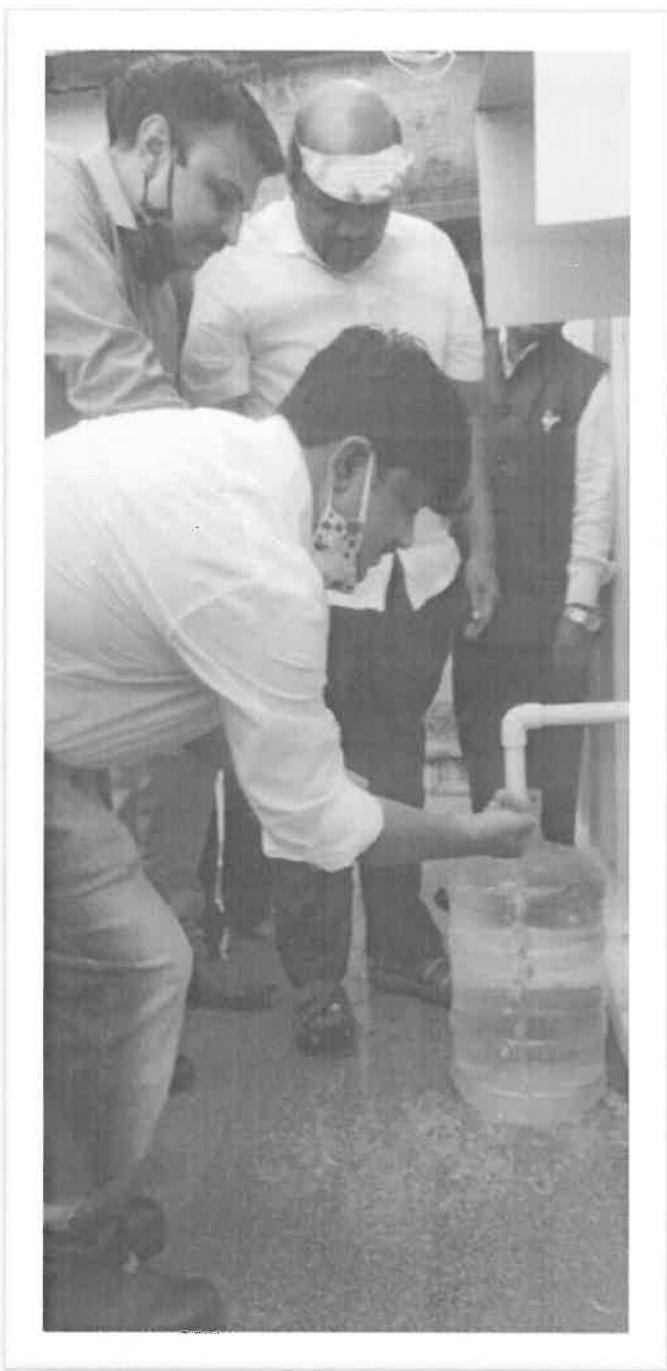
## Distribution of hand sanitizers across Bidar





Drinking water -RO plant at Kolhar village





**Hearing aids distributed to underprivileged deaf kids at bidar district**



**Annexure-20.**  
**Health, Safety & Environmental policy.**



## 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 Gudlavale  
Chief Operating Officer

**Annexure-21.**  
**Environmental (HSE) management cell Organogram**

Sai Life Sciences Limited  
Corporate

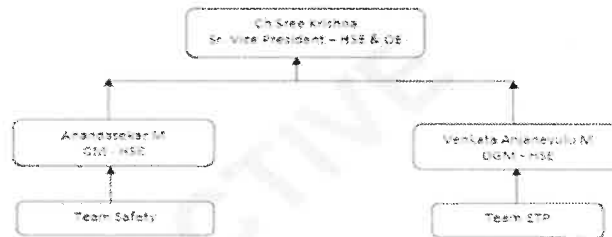


**ORGANOGRAM**

Reference SOP No. & Title: 99-36 Job Responsibilities and Organogram

**ORGANOGRAM: HSE UNIT- IV**

Revision No.:07



**Annexure-22**  
**Monthly allocated budget details and Environment management programs.**

**Environmental department Spent amount from April-2024 to September-2024**

<b>Budget Period</b>	<b>Description</b>	<b>Spent Amount (Rs.)</b>
Apr-24	Chemical Cost and ETP Lab Cost	354213.2
	Hazardous waste disposal handling charges	655062
	Steam cost (HTDS Effluent treatment )	1918620
	Energy Cost for ZLDS Operation	1045326.113
	Domestic effluent treatment cost	53508.53
	Mechanical spares/ service cost	50000
May-24	Chemical Cost and ETP Lab Cost	446340
	Hazardous waste disposal handling charges	897305
	Steam cost (HTDS Effluent treatment )	1601338
	Energy Cost for ZLDS Operation	999166.63
		45081.964
	Mechanical spares/ service cost	51000
Jun-24	Chemical Cost and ETP Lab Cost	552096.44
	Hazardous waste disposal handling charges	616271.5
	Steam cost (HTDS Effluent treatment )	2244467
	Energy Cost for ZLDS Operation	1131102.018
		45852.758
	Mechanical spares/ service cost	45000
Jul-24	Chemical Cost and ETP Lab Cost	473947
	Hazardous waste disposal handling charges	943687
	Steam cost (HTDS Effluent treatment )	2170791.15
	Energy Cost for ZLDS Operation	1044948.953
		42062.782
	Mechanical spares/ service cost	55000
Aug-24	Chemical Cost and ETP Lab Cost	463809.72
	Hazardous waste disposal handling charges	784687
	Steam cost (HTDS Effluent treatment )	2525028
	Energy Cost for ZLDS Operation	1200315.624
		37802.054
	Mechanical spares/ service cost	51000
Sep-24	Chemical Cost and ETP Lab Cost	466647
	Hazardous waste disposal handling charges	926572
	Steam cost (HTDS Effluent treatment )	2542714.35
	Energy Cost for ZLDS Operation	1239735.284
		31774.08
	Mechanical spares/ service cost	45000
<b>Total Spent Amount</b>		<b>27797272.86</b>

**Environment management programs for the FY 24-25**

<b>S.No</b>	<b>Description</b>	<b>Spent Amount (Rs.)</b>
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	250000
4	Installing the treated sewage water pipeline from STP to 6-acre greenbelt area	1800000
<b>Total Spent Amount for Environment management programs</b>		<b>6400000</b>



28<sup>th</sup> November 2023

To

The Additional Director,  
Regional office (Southern Zone), Ministry of Environment, Forest and Climate Change,  
Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wings, 17<sup>th</sup> Main Road, 2<sup>nd</sup> 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.

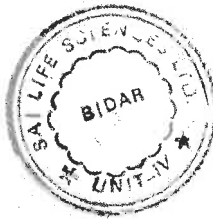
Kindly acknowledge receipt for the same.

Enclosed copy of Environmental audit report

Thanking You.

Yours faithfully,  
For Sai Life Sciences Limited.

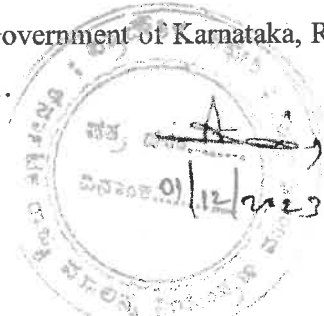
  
Authorized Signatory.



**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. 7<sup>th</sup> floor, 4<sup>th</sup> Gate, MS Building,  
Bengaluru – 560001.



**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

**DOCUMENT DETAILS**

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

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FOR EXECUTION





**Sai Life Sciences Limited**  
**Unit-IV**  
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Date :

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Sr.No	Key Parameter	Yes	No	NA	Notes
<b>I. Environmental Policy</b>					
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
<b>II. Waste Management</b>					
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**  
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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

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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
<b>III. Energy Management</b>					
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
<b>IV.</b>	<b>Water and Waste water Management</b>				

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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

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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 eip 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

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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.	<b>Air Emissions Management</b>				
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

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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

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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
<b>VI. Biomedical waste Management</b>					
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

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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
<b>VII. Storm Water Management</b>						
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
<b>VIII. Environment Permits &amp; Legal compliance</b>						



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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

Note : Check its validity before use



**Sai Life Sciences Limited**  
Unit-IV

**SELF ENVIRONMENTAL AUDIT REPORT**

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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.	<b>Training and competition</b>					
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

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

Note : Check its validity before use

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
<b>XI. Environmental Management System</b>						
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 specifications are followed.
- \* All stacks discharge emissions are within limits.

Audited By:	Reviewed By:	Approved By:
Name & Designation: P. Raghunatha & D3 Manager  Signature: <i>[Signature]</i> Date: 27-Sep-2024	Name & Designation: Anand Kumar P Manager  Signature: <i>[Signature]</i> Date: 27-Sep-2024	Name & Designation: M.V. Anjanappa D.E.M (HSE)  Signature: <i>[Signature]</i> Date: 27-Sep-24

Note : Check its validity before use

Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.  
Compliance report of EC Condition from April-2024 to September-2024

Annexure-24.  
Paper advertisement.

REGION THURSDAY, OCTOBER 1, 2020

**Several organisations seek justice for UP rape victim**

Several organisations, including the Human Rights Commission, the National Commission for Women, and the National Commission for Protection of Child Rights, have filed a writ petition in the Supreme Court seeking justice for a rape victim from Uttar Pradesh. The petition seeks the release of the victim from custody and the prosecution of the accused. The organisations also demand the formation of a committee to investigate the incident and prevent such crimes in the future.

**All ready to hold Council poll, says Regional Commissioner**

The Regional Commissioner of Bengaluru, Aditya Bhaswani, has said that the administration is all ready to hold the Council poll in Bengaluru. He stated that the necessary preparations have been completed and the process will begin soon. He also mentioned that the government is committed to ensuring a smooth and transparent electoral process.



Regional Commissioner of Bengaluru, Aditya Bhaswani, speaking at a meeting of political parties in connection with the elections to the Legislative Council, in Bengaluru on Wednesday.

**'IgG Sero surveillance better to create safer workplaces'**

IgG Sero surveillance is a better method to create safer workplaces, according to a study conducted by researchers. The study found that IgG Sero surveillance can identify individuals who have been exposed to a virus, even if they do not have symptoms. This information can be used to take preventive measures and reduce the spread of the virus in the workplace.

**CHANGE OF NAME**  
SRIKANTH M. NAGARAJA  
From SRIKANTH M. NAGARAJA to SRIKANTH M. NAGARAJA  
Date of birth: 15/08/1985  
Residence: Bengaluru  
Contact: 9845678901

**PUBLIC NOTICE**  
This is to inform the general public that the State Government has issued a notice regarding the proposed amendments to the Karnataka Land Revenue Act, 1964. The amendments aim to streamline the land revenue process and ensure transparency. For more details, please visit the official website.

**ವರ್ಷದ ಸೇವೆಯನ್ನು ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.**

**ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.**

**ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.**

**ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.**

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**ವರ್ಷದ ಸೇವೆಯನ್ನು ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.**

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**ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.**

**ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.**

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**ಮಕ್ಕಳ ಒತ್ತಾಯ**

ಮಕ್ಕಳ ಒತ್ತಾಯವನ್ನು ಪರಿಹರಿಸಲು ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.

**ತೋಟಗಾರಿಕೆ ಬೆಳೆ ಹಾನಿಗೆ ಪರಿಹಾರ ನೀಡಿ**

ತೋಟಗಾರಿಕೆ ಬೆಳೆ ಹಾನಿಗೆ ಪರಿಹಾರ ನೀಡಲು ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.

**ವಿಶ್ವವಿದ್ಯಾಲಯದ ವಿದಾರ್ಥಿ**

ವಿಶ್ವವಿದ್ಯಾಲಯದ ವಿದಾರ್ಥಿಗಳಿಗೆ ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.

**ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು**

ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.

**ನಾರ್ವಹಣಿಕ ಪ್ರಕಟಣೆ**

ನಾರ್ವಹಣಿಕ ಪ್ರಕಟಣೆಯನ್ನು ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.

**ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು**

ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಸರ್ಕಾರದ ಶಕ್ತಿ ಮತ್ತು ಗೌರವವನ್ನು ಸೇವೆಯು ಕೈ ಪುಸ್ತಕ ಹಾಗೂ ಡಿಜಿಟಲ್ ವರದಿಗಳನ್ನು ರವಾನಿಸುವ ಪ್ರಕ್ರಿಯೆಗೆ ಶುರು ಹಾಕಲಾಗಿದೆ.

**Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.  
Compliance report of EC Condition from April-2024 to September-2024**

**Annexure-25.**

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

30<sup>th</sup> September 2020.

*o/c*



To,

The Environmental Officer,  
Karnataka State Pollution Control Board,  
Plot No. 42(B2),  
Nahad 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 28<sup>th</sup> 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.

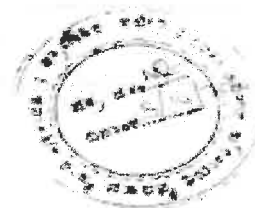
Enclosed copy: Latest Environment Clearance.

Thanking You,

Yours faithfully,

Sai Life Sciences Ltd.

  
Authorized Signatory





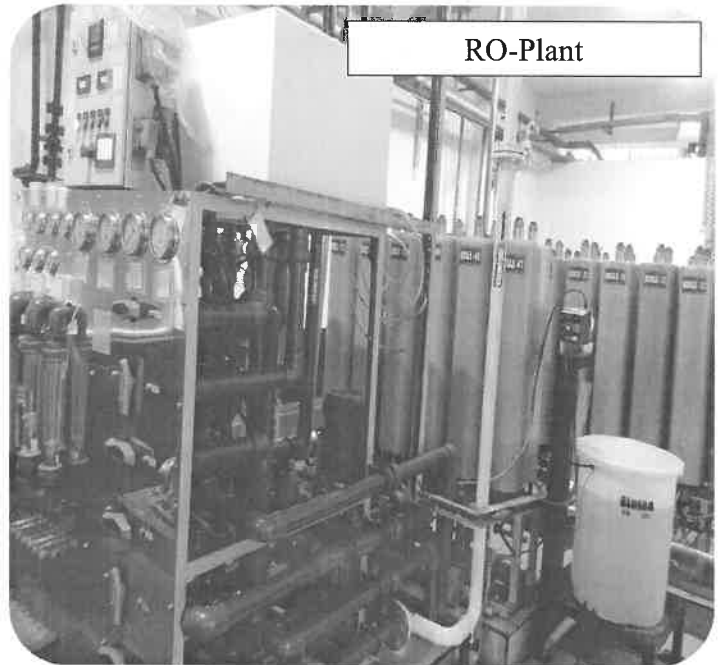
Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.  
Compliance report of EC Condition from April-2024 to September-2024

**Annexure-26.**  
**ZLDS facility photographs**

Stripper column, MEE & ATFD Plant



RO-Plant

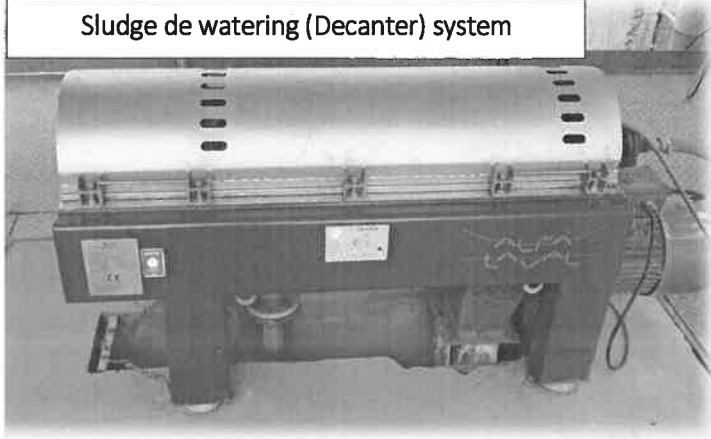


Biological treatment plant

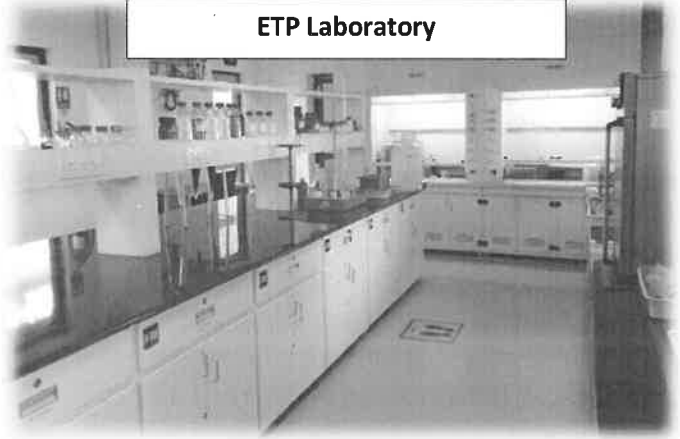


Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.  
Compliance report of EC Condition from April-2024 to September-2024

Sludge de watering (Decanter) system



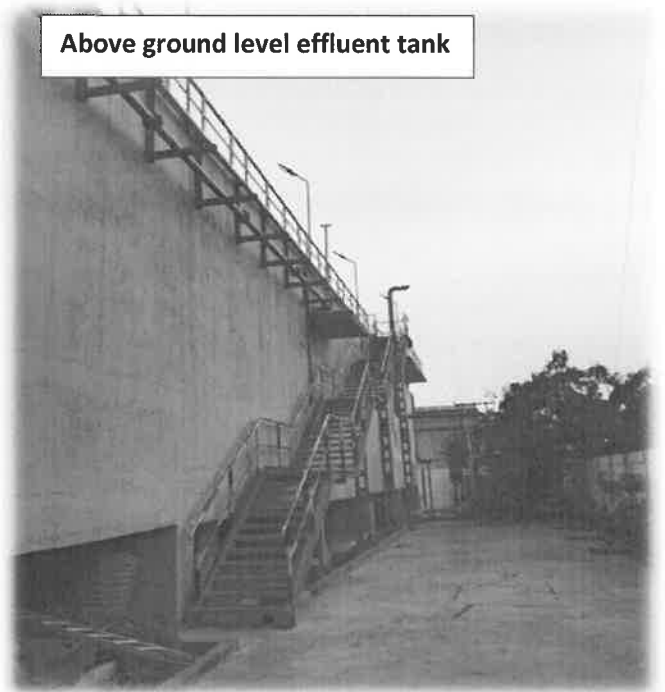
ETP Laboratory



Above ground level effluent

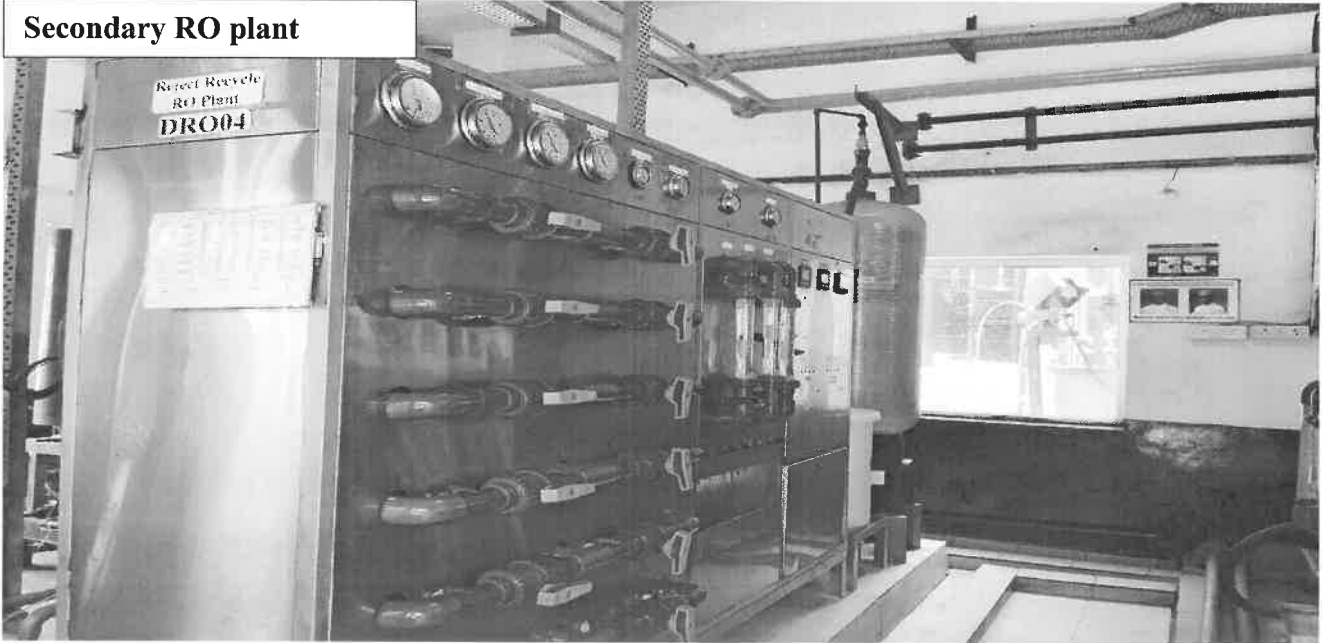


Above ground level effluent tank



Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.  
Compliance report of EC Condition from April-2024 to September-2024

Secondary RO plant



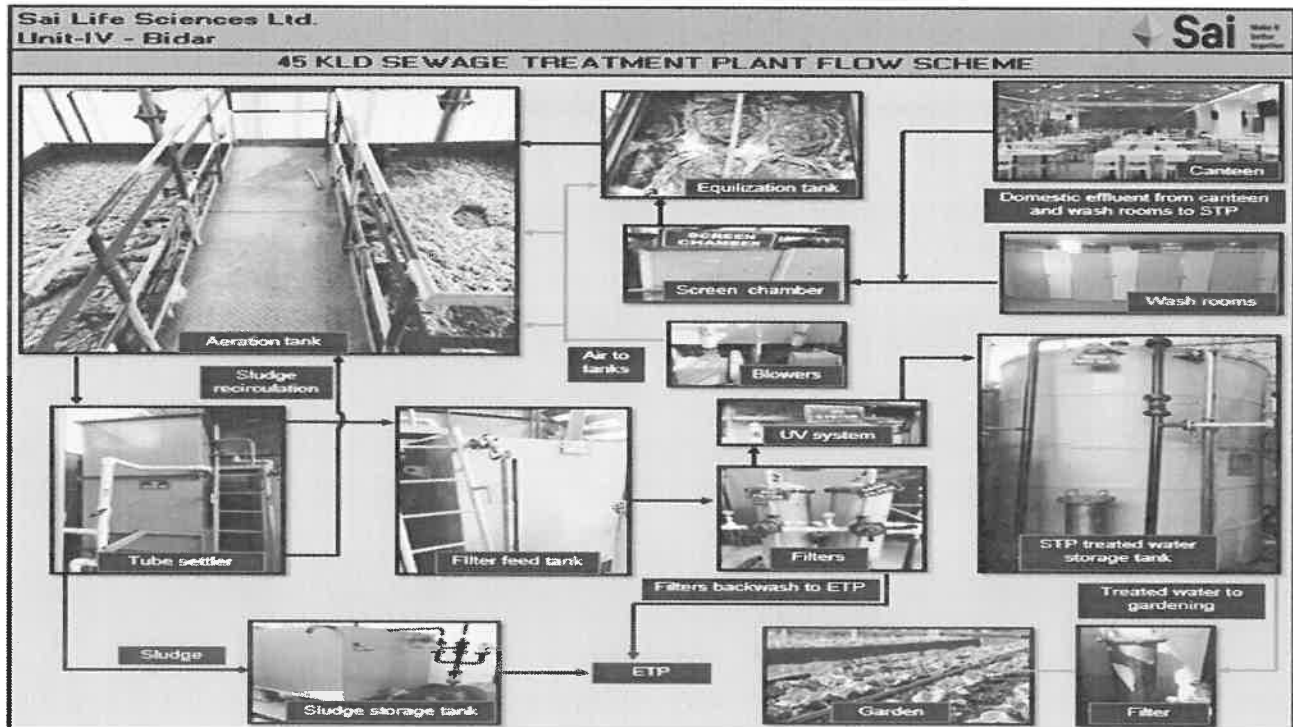
Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.  
Compliance report of EC Condition from April-2024 to September-2024

**Annexure-27.**  
**STP plant and flow scheme.**



Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.  
Compliance report of EC Condition from April-2024 to September-2024

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, 1<sup>st</sup> Cross, Pragati Colony,  
Vidyannagar, 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/2024/EG/SEP/04	Date of Sampling	09.09.2024
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	10.09.2024
	Date of Analysis Started	11.09.2024
	Date of Analysis Completed	14.09.2024
Name of Location : Near PB-09	Date of Report	14.09.2024
	Sampling Description	Polyethylene Container
Particulars of Sample Collected: Ambient	Sampling method	IS: 5182
Environmental Condition : Normal		

**RESULTS**

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS	NAAQ STANDARDS
01	Particulate Matter as (PM <sub>10</sub> )	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m <sup>3</sup>	73.8	100
02	Particulate Matter as (PM <sub>2.5</sub> )	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m <sup>3</sup>	21.3	60
03	Sulphur Dioxide	IS:5182 (Part 2)	µg/m <sup>3</sup>	17.8	80.0
04	Nitrogen Dioxide	IS:5182 (Part 6 ) 2006	µg/m <sup>3</sup>	11.5	80.0
05	Carbon Monoxide	IS:5182 (Part 10)	mg/m <sup>3</sup>	1.8	2.0
06	Lead ( Pb)	IS:5182 (Part 22) 2006	µg/m <sup>3</sup>	0.6	1.0
07	Arsenic (As)	CPCB Manual	Ng/m <sup>3</sup>	BDL	6.0
08	Nickel (Ni)	CPCB Manual	Ng/m <sup>3</sup>	BDL	20.0
09	Ozone ( O <sub>3</sub> )	CPCB Manual	µg/m <sup>3</sup>	13.5	100.0
10	Ammonia ( NH <sub>3</sub> )	CPCB Manual	µg/m <sup>3</sup>	12.7	400.0
11	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS:5182 (Part 11)	µg/m <sup>3</sup>	BDL	5.0
12	Benzo (a),pyrene (BaP)	IS:5182 Part 12)	Ng/m <sup>3</sup>	BDL	1.0

**INFERENCE**

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

Reviewed By  
(Chemist)  
Ribeka

Checked by  
*P.*  
25-Sep-24  
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, 1<sup>st</sup> 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/2024/EG/SEP/01	Date of Sampling	09.09.2024
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	10.09.2024
	Date of Analysis Started	11.09.2024
	Date of Analysis Completed	14.09.2024
Name of Location : Near Maingate & Security area	Date of Report	14.09.2024
	Sampling Description	Polyethylene Container
Particulars of Sample Collected : Ambient	Sampling method	IS: 5182
Environmental Condition : Normal		

### RESULTS

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS	NAAQ STANDARDS
01	Particulate Matter as (PM <sub>10</sub> )	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m <sup>3</sup>	76.7	100
02	Particulate Matter as (PM <sub>2.5</sub> )	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m <sup>3</sup>	21.5	60
03	Sulphur Dioxide	IS:5182 (Part 2)	µg/m <sup>3</sup>	19.3	80.0
04	Nitrogen Dioxide	IS:5182 (Part 6) 2006	µg/m <sup>3</sup>	14.6	80.0
05	Carbon Monoxide	IS:5182 (Part 10)	mg/m <sup>3</sup>	1.5	2.0
06	Lead ( Pb)	IS:5182 (Part 22) 2006	µg/m <sup>3</sup>	0.4	1.0
07	Arsenic (As)	CPCB Manual	Ng/m <sup>3</sup>	BDL	6.0
08	Nickel (Ni)	CPCB Manual	Ng/m <sup>3</sup>	BDL	20.0
09	Ozone ( O <sub>3</sub> )	CPCB Manual	µg/m <sup>3</sup>	11.5	100.0
10	Ammonia ( NH <sub>3</sub> )	CPCB Manual	µg/m <sup>3</sup>	11.6	400.0
11	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS:5182 (Part 11)	µg/m <sup>3</sup>	BDL	5.0
12	Benzo (a),pyrene (BaP)	IS:5182 Part 12)	Ng/m <sup>3</sup>	BDL	1.0

<b>INFERENCE</b>	Report Status:-The above tested results are within the limits
------------------	---

Reviewed By  
(Chemist)  
Ribeka

Checked by  
25 Sep 24  
End Of The Report

Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

**SHRI KRISHNA AQUA ENGINEERING WORKS**

ISO 9001:2015, ISO 45001:2018

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**Environmental Lab, Pollution Control Consultants**

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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/2024/EG/SEP/03	Date of Sampling	09.09.2024
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	10.09.2024
	Date of Analysis Started	11.09.2024
	Date of Analysis Completed	14.09.2024
Name of Location : Near Wear House	Date of Report	14.09.2024
	Sampling Description	Polyethylene Container
Particulars of Sample Collected : Ambient	Sampling method	IS: 5182
Environmental Condition : Normal		

**RESULTS**

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS	NAAQ STANDARDS
01	Particulate Matter as (PM <sub>10</sub> )	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m <sup>3</sup>	67.4	100
02	Particulate Matter as (PM <sub>2.5</sub> )	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m <sup>3</sup>	19.2	60
03	Sulphur Dioxide	IS:5182 (Part 2)	µg/m <sup>3</sup>	16.3	80.0
04	Nitrogen Dioxide	IS:5182 (Part 6 ) 2006	µg/m <sup>3</sup>	12.8	80.0
05	Carbon Monoxide	IS:5182 (Part 10)	mg/m <sup>3</sup>	1.7	2.0
06	Lead ( Pb)	IS:5182 (Part 22) 2006	µg/m <sup>3</sup>	0.5	1.0
07	Arsenic (As)	CPCB Manual	Ng/m <sup>3</sup>	BDL	6.0
08	Nickel (Ni)	CPCB Manual	Ng/m <sup>3</sup>	BDL	20.0
09	Ozone ( O <sub>3</sub> )	CPCB Manual	µg/m <sup>3</sup>	12.4	100.0
10	Ammonia ( NH <sub>3</sub> )	CPCB Manual	µg/m <sup>3</sup>	9.6	400.0
11	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS:5182 (Part 11)	µg/m <sup>3</sup>	BDL	5.0
12	Benzo (a),pyrene (BaP)	IS:5182 Part 12)	Ng/m <sup>3</sup>	BDL	1.0

**INFERENCE**

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

Reviewed By  
(Chemist)  
Ribeka

Checked by  
25-Sep-24

End Of The Report

Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri



**SHRI KRISHNA AQUA ENGINEERING WORKS**

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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/2024/EG/SEP/02	Date of Sampling	09.09.2024
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	10.09.2024
	Date of Analysis Started	11.09.2024
	Date of Analysis Completed	14.09.2024
Name of Location :Near ETP & Boiler Area	Date of Report	14.09.2024
	Sampling Description	Polyethylene Container
Particulars of Sample Collected : Ambient	Sampling method	IS: 5182
Environmental Condition : Normal		

**RESULTS**

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS	NAAQ STANDARDS
01	Particulate Matter as (PM <sub>10</sub> )	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m <sup>3</sup>	78.4	100
02	Particulate Matter as (PM <sub>2.5</sub> )	IS 5182 (Part 23) : 2006(Reaffirmed-2014)	µg/m <sup>3</sup>	23.2	60
03	Sulphur Dioxide	IS:5182 (Part 2)	µg/m <sup>3</sup>	18.5	80.0
04	Nitrogen Dioxide	IS:5182 (Part 6 ) 2006	µg/m <sup>3</sup>	15.8	80.0
05	Carbon Monoxide	IS:5182 (Part 10)	mg/m <sup>3</sup>	1.6	2.0
06	Lead ( Pb)	IS:5182 (Part 22) 2006	µg/m <sup>3</sup>	0.6	1.0
07	Arsenic (As)	CPCB Manual	Ng/m <sup>3</sup>	BDL	6.0
08	Nickel (Ni)	CPCB Manual	Ng/m <sup>3</sup>	BDL	20.0
09	Ozone ( O <sub>3</sub> )	CPCB Manual	µg/m <sup>3</sup>	10.7	100.0
10	Ammonia ( NH <sub>3</sub> )	CPCB Manual	µg/m <sup>3</sup>	11.5	400.0
11	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS:5182 (Part 11)	µg/m <sup>3</sup>	BDL	5.0
12	Benzo (a),pyrene (BaP)	IS:5182 Part 12)	Ng/m <sup>3</sup>	BDL	1.0

<b>INFERENCE</b>	Report Status:-The above tested results are within the limits
------------------	---

Reviewed By  
(Chemist)  
Ribeka

Checked by  
PI  
25-Sep-24  
End Of The Report

Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

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## Environmental Lab, Pollution Control Consultants

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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	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	09/09/2024
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	10/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/07
8	Date of Analysis Started	11/09/2024
9	Date of Analysis Completed	12/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	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	26	29	30	31	30
Velocity (m/s)	5.9	6.7	7.2	7.3	7.6
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 <sup>3</sup>	19.4	35 Max
2	Scrubber – DSCR-14(PB3)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	24.7	35 Max
3	Scrubber – DSCR-19(PR&D)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	25.6	35 Max
4	Scrubber – DSCR-20(PR&D)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	27.2	35 Max
5	Scrubber – DSCR-26(PB-12)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	28.1	35 Max

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

  
Reviewed By  
(Chemist)  
Ribeka

checked by  
  
25-SEP-24  
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	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	10/09/2024
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	11/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/08
8	Date of Analysis Started	12/09/2024
9	Date of Analysis Completed	13/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008


**GENERAL DETAILS**


Stack ID	Scrubber DSCR04(PB4)	Scrubber DSCR 05(PB4)	Scrubber DSCR 21(PB6)	Scrubber DSCR-06(PB-6)	Scrubber DSCR-07(PB-6)
Temperature	27	29	32	33	30
Velocity (m/s)	7.0	7.6	8.1	8.3	7.5
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 <sup>3</sup>	22.3	35 Max
2	Scrubber – DSCR-05(PB-4)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	26.2	35 Max
3	Scrubber – DSCR-21(PB-6)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	29.3	35 Max
4	Scrubber – DSCR-06(PB-6)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	27.5	35 Max
5	Scrubber – DSCR-07(PB-6)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	24.6	35 Max

<b>INFERENCE</b>	As Per KSPCB Standards, Report Status: The above tested results are with in the limits.
------------------	--

  
Reviewed By  
(Chemist)  
Ribeka

Checked by  
  
25-Sep-24

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	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	11/09/2024
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	12/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/09
8	Date of Analysis Started	13/09/2024
9	Date of Analysis Completed	14/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	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	29	31	28	31	32
Velocity (m/s)	7.4	7.8	6.9	7.6	8.3
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 <sup>3</sup>	24.4	35 Max
2	Scrubber - DSCR-09(PB-7)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	26.3	35 Max
3	Scrubber - DSCR-10(PB-7)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	19.5	35 Max
4	Scrubber - DSCR-11(PB-7)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	25.5	35 Max
5	Scrubber - DSCR-12(PB-7)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	28.2	35 Max

<b>INFERENCE</b>	As Per KSPCB Standards, Report Status: The above tested results are with in the limits.
------------------	--

  
Reviewed By  
(Chemist)  
Ribeka

checked by  
  
25-Sep-24  
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	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	12/09/2024
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	13/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/10
8	Date of Analysis Started	14/09/2024
9	Date of Analysis Completed	15/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	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	25	30	30	31	33
Velocity (m/s)	6.3	7.1	7.2	8.0	8.2
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 <sup>3</sup>	20.2	35 Max
2	Scrubber – DSCR- 17(PB-08)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	23.2	35 Max
3	Scrubber – DSCR- 27 (QC)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	25.4	35 Max
4	Scrubber -DSCR- 18 (ware house)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	24.5	35 Max
5	Scrubber - DSCR-08(ware house)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	26.8	35 Max

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

Reviewed By  
(Chemist)  
Ribeka

checked by  
CA  
25-Sep-24  
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	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	13/09/2024
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	14/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/11
8	Date of Analysis Started	15/09/2024
9	Date of Analysis Completed	16/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	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	29	32	31	30	25	31
Velocity (m/s)	7.9	8.4	8.1	8.0	6.8	7.9
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 <sup>3</sup>	23.8	35 Max
2	Scrubber - DSCR-22(ETP)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	25.7	35 Max
3	Scrubber - DSCR-23(PB-09)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	27.8	35 Max
4	Scrubber - DSCR-24(PB-10)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	26.5	35 Max
5	Scrubber - DSCR-25(PB-10)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	22.4	35 Max
6	Scrubber - DSCR-28(PB-2)	Acid Mist	EPA Method	mg/Nm <sup>3</sup>	27.3	35 Max

INFERENCE	As Per KSPCB Standards, Report Status: The above tested results are within the limits.
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Reviewed By  
(Chemist)  
Ribeka

Checked by  
  
25-SEP-24  
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



### 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	09/09/2024
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	10/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/12
8	Date of Analysis Started	11/09/2024
9	Date of Analysis Completed	12/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

### DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	4.3
Stack Gas Temperature (°C)	103
Ambient Temperature (°C)	28
Stack Gas Velocity (m/s)	7.7
Rate of Sampling	26.3
Nozzle Used	3/8" dia = $7.13 \times 10^{-5}$
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 <sup>2</sup> )	0.636
Flow/Discharge rate (Nm <sup>3</sup> /hr)	14113.31

### RESULTS

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm <sup>3</sup>	42.6	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	215.2	IS:11255 (Part-2)1985 Reaffirmed 2012	600
3	Oxides of Nitrogen NO <sub>x</sub>	mg/Nm <sup>3</sup>	106.4	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

Checked by  
  
25-Sep-24  
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



### 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 STPH (DCFB01)
3	Sample Collected By	By Us
4	Date of Sample Collection	10/09/2024
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	11/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/13
8	Date of Analysis Started	12/09/2024
9	Date of Analysis Completed	13/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

### DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	3.9
Stack Gas Temperature (°C)	98
Ambient Temperature (°C)	28
Stack Gas Velocity (m/s)	7.2
Rate of Sampling	24.9
Nozzle Used	3/8" dia = $7.13 \times 10^{-5}$
Pitot Tube Constant	0.836
Period of Sampling in Minutes	64.2
Fuel Used	Coal
Diameter (m)	0.9
Cross Sectional Area of Stack (m <sup>2</sup> )	0.636
Flow/Discharge rate (Nm <sup>3</sup> /hr)	13374.72

### RESULTS


Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm <sup>3</sup>	55.8	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	51.7	IS:11255 (Part-2)1985 Reaffirmed 2012	600
3	Oxides of Nitrogen NO <sub>x</sub>	mg/Nm <sup>3</sup>	34.6	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

Checked by  
  
25-SEP-24

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

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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 2TPH (DOFB03)
3	Sample Collected By	By Us
4	Date of Sample Collection	11/09/2024
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	12/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/14
8	Date of Analysis Started	13/09/2024
9	Date of Analysis Completed	14/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008


#### DATA COLLECTED DETAILS


Monometer Reading (H) mm (Average)	3.5
Stack Gas Temperature (°C)	80
Ambient Temperature (°C)	29
Stack Gas Velocity (m/s)	6.7
Rate of Sampling	24.5
Nozzle Used	3/8" dia = 7.13 x 10 <sup>-5</sup>
Pitot Tube Constant	0.836
Period of Sampling in Minutes	65.3
Fuel Used	HSD
Diameter (m)	0.5
Cross Sectional Area of Stack (m <sup>2</sup> )	0.196
Flow/Discharge rate (Nm <sup>3</sup> /hr)	4044.50

#### RESULTS

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm <sup>3</sup>	71.8	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	26.9	IS:11255 (Part-2)1985 Reaffirmed 2012	600
3	Oxides of Nitrogen NO <sub>x</sub>	mg/Nm <sup>3</sup>	17.6	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

Checked by  
  
25-Sep-24  
End Of The Report

  
Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

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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	14/09/2024
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	15/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/22
8	Date of Analysis Started	17/09/2024
9	Date of Analysis Completed	18/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

**DATA COLLECTED DETAILS**

Monometer Reading (H) mm (Average)	4.1
Stack Gas Temperature (°C)	110
Ambient Temperature (°C)	29
Stack Gas Velocity (m/s)	7.6
Rate of Sampling	25.6
Nozzle Used	3/8" dia = $7.13 \times 10^{-5}$
Pitot Tube Constant	0.836
Period of Sampling in Minutes	62.5
Fuel Used	Diesel
Diameter (m)	0.15
Cross Sectional Area of Stack (m <sup>2</sup> )	0.017
Flow/Discharge rate (Nm <sup>3</sup> /hr)	366.75

**RESULTS**

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm <sup>3</sup>	69.8	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	23.5	IS:11255 (Part-2)1985 Reaffirmed 2012	100
3	Oxides of Nitrogen NO <sub>x</sub>	PPM	18.6	IS:11255 (Part-2)1985 Reaffirmed 2012	50

<b>INFERENCE</b>	As per KSPCB Limits, Report Status:-The measured values for the above parameters are within the limits.
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Reviewed By  
(Chemist)  
Ribeka

checked by  
CA  
25-Sep-24  
End Of The Report

Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

# SHRI KRISHNA AQUA ENGINEERING WORKS

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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	500 KVA (DDGS-05)
3	Sample Collected By	By Us
4	Date of Sample Collection	14/09/2024
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	15/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/25
8	Date of Analysis Started	17/09/2024
9	Date of Analysis Completed	18/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

### DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	3.4
Stack Gas Temperature (°C)	107
Ambient Temperature (°C)	29
Stack Gas Velocity (m/s)	6.8
Rate of Sampling	23.1
Nozzle Used	3/8" dia = $7.13 \times 10^{-5}$
Pitot Tube Constant	0.836
Period of Sampling in Minutes	69.2
Fuel Used	Diesel
Diameter (m)	0.2
Cross Sectional Area of Stack (m <sup>2</sup> )	0.031
Flow/Discharge rate (Nm <sup>3</sup> /hr)	603.10

### RESULTS

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm <sup>3</sup>	68.6	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	19.4	IS:11255 (Part-2)1985 Reaffirmed 2012	100
3	Oxides of Nitrogen NO <sub>x</sub>	ppm	15.5	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

Checked by  
25-SEP-24  
End Of The Report

Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

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### ANALYSIS REPORT OF SOURCE EMISSION

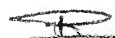
1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Thermic Fluid Heater-1
3	Sample Collected By	By Us
4	Date of Sample Collection	14/09/2024
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	15/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/23
8	Date of Analysis Started	17/09/2024
9	Date of Analysis Completed	18/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008


#### DATA COLLECTED DETAILS


Monometer Reading (H) mm (Average)	3.7
Stack Gas Temperature (°C)	78
Ambient Temperature (°C)	28
Stack Gas Velocity (m/s)	6.9
Rate of Sampling	25.3
Nozzle Used	3/8" dia = $7.13 \times 10^{-5}$
Pitot Tube Constant	0.836
Period of Sampling in Minutes	63.2
Fuel Used	Diesel
Diameter (m)	0.5
Cross Sectional Area of Stack (m <sup>2</sup> )	0.196
Flow/Discharge rate (Nm <sup>3</sup> /hr)	4175.10

#### RESULTS

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No.& Year	
1	Particulate Matter as PM	mg/Nm <sup>3</sup>	78.2	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	19.5	IS:11255 (Part-2)1985 Reaffirmed 2012	100
3	Oxides of Nitrogen NO <sub>x</sub>	mg/Nm <sup>3</sup>	16.4	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

Checked by  
  
25-SEP-24  
End Of The Report

  
Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

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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-2
3	Sample Collected By	By Us
4	Date of Sample Collection	14/09/2024
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	15/09/2024
7	Sample Number	SKAEW/S/2024/EG/SEP/24
8	Date of Analysis Started	17/09/2024
9	Date of Analysis Completed	18/09/2024
10	Report Number	EC-EL/24-25
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

**DATA COLLECTED DETAILS**

Monometer Reading (H) mm (Average)	3.9
Stack Gas Temperature (°C)	81
Ambient Temperature (°C)	29
Stack Gas Velocity (m/s)	7.1
Rate of Sampling	25.9
Nozzle Used	3/8" dia = 7.13 x 10 <sup>-5</sup>
Pitot Tube Constant	0.836
Period of Sampling in Minutes	61.7
Fuel Used	Diesel
Diameter (m)	0.5
Cross Sectional Area of Stack (m <sup>2</sup> )	0.196
Flow/Discharge rate (Nm <sup>3</sup> /hr)	4273.86

**RESULTS**

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm <sup>3</sup>	67.3	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	17.2	IS:11255 (Part-2)1985 Reaffirmed 2012	100
3	Oxides of Nitrogen NO <sub>x</sub>	mg/Nm <sup>3</sup>	15.6	IS:11255 (Part-2)1985 Reaffirmed 2012	50
<b>INFERENCE</b>		As per KSPCB Limits, Report Status:-The measured values for the above parameters are within the limits.			

Reviewed By  
(Chemist)  
Ribeka

checked by  
25-Sep-24  
End Of The Report

Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

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## 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/2024/EG/SEP/05

## RESULTS

Sl.No	LOCATIONS	Date	Time Frequency	Parameters			Limits as Per KSPCB	Protocol
				Min.	Max.	Average Leq in dB(A)		
01	Near Security Main Gate	09/09/24	06:00am to 10:00pm	60.4	67.5	63.9	75dB(A) for Day Time	IS- 9989- 1981 (Reaffirmed 2008)
02	Near DG Area	09/09/24	06:00am to 10:00pm	67.2	73.6	70.4		
03	Compressor Room	09/09/24	06:00am to 10:00pm	66.7	74.1	70.4		
04	Boiler House	09/09/24	06:00am to 10:00pm	69.9	76.8	73.1		
05	ETP Area	10/09/24	06:00am to 10:00pm	67.8	72.4	70.1		
06	Near Canteen	10/09/24	06:00am to 10:00pm	56.5	62.4	59.4		
07	Near Service Gate – 2	10/09/24	06:00am to 10:00pm	65.4	70.2	67.8		
08	Near Service Gate – 3	11/09/24	06:00am to 10:00pm	67.3	71.5	69.4		
09	Production Block	11/09/24	06:00am to 10:00pm	65.6	69.9	67.7		
10	Work Shop Area	11/09/24	06:00am to 10:00pm	68.6	72.3	70.4		

Reviewed By  
(Chemist)  
Ribeka

Checked by

25-SEP-24

End Of The Report

Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

\* All Parameters are within limits

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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/2024/EG/SEP/06

### RESULTS

Sl.No	LOCATIONS	Date	Time Frequency	Parameters			Limits as Per KSPCB	Protocol
				Min.	Max.	Average Leq in dB(A)		
01	Near Security Main Gate	09/09/24	10:00pm to 06:00am	57.6	62.2	59.9	70dB(A) for Night Time	IS- 9989- 1981 (Reaffirmed 2008)
02	Near DG Area	09/09/24	10:00pm to 06:00am	64.5	67.7	66.1		
03	Compressor Room	09/09/24	10:00pm to 06:00am	64.1	68.6	66.3		
04	Boiler House	09/09/24	10:00pm to 06:00am	62.8	68.4	65.6		
05	ETP Area	10/09/24	10:00pm to 06:00am	65.7	68.8	67.2		
06	Near Canteen	10/09/24	10:00pm to 06:00am	51.5	56.7	54.1		
07	Near Service Gate – 2	10/09/24	10:00pm to 06:00am	64.5	67.3	65.9		
08	Near Service Gate – 3	11/09/24	10:00pm to 06:00am	63.5	66.7	65.1		
09	Production Block	11/09/24	10:00pm to 06:00am	61.3	66.9	64.1		
10	Work Shop Area	11/09/24	10:00pm to 06:00am	67.3	72.4	69.8		

Reviewed By  
(Chemist)  
Ribeka

checked by

25-Sep-24

End Of The Report

Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

\* All Parameters are within limits

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## ANALYSIS REPORT OF FUGITIVE EMISSION


Test Report No:SKAEW/F/2024/EG/SEP/27	Report Date: 17/09/2024
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	11/09/2024, 12/09/2024 & 13/09/2024
Analysis Start Date	14/09/2024
Analysis Completion Date	17 /09/2024
Name of the Parameter	Total Volatile Organic Compounds

## RESULTS

SL.NO	Description of equipment	Location	Result In PPM
1	PB01 Ground Floor	PB-01	1.1
2	Near Terrace DSCR09	PB-07	1.3
3	Near PB02 First Floor	PB-02	1.2
4	Near QC Lab	QC Lab	0.9
5	Near PB08 Terrace DSCR 17	PB08	0.8
6	Near solvent tank farm area	UG	1.1
7	Near PB06 second Floor	PB06	1.3
8	Near PB12 Terrace Scrubber Area	PB-12	0.7
9	second floor intermediate area	PB-09	1.4
10	Terrace near scrubber	Ware House	1.2

  
Reviewed By  
(Chemist)  
Ribeka

Checked by  
  
25-SEP-24  
End Of The Report

  
Authorised Signatory  
(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	14/09/2024
Report No	SKAEW/F/2024/EG/SEP/26
Analysis Start Date	15/09/2024
Analysis Completion Date	17/09/2024
Method Adopted	IS-5182(Part4)-1999
Name of the Parameter	Suspended Particulate Matter

SI NO	Name of the Location	Duration of Monitoring	Unit	Result
1	Near Boiler Dust	24 Hours	µg/m <sup>3</sup>	145

  
Reviewed By  
(Chemist)  
Ribeka

Checked by  
  
25-SEP-24

End Of The Report

  
Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

**SHRI KRISHNA AQUA ENGINEERING WORKS**

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**TEST REPORT**  
**WATER ANALYSIS REPORT**  
**(Sample Drawn By Industry)**

Test Report No : SKAEW/W/2024/EG/SEP/18	Report Date : 16.09.2024
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 : 10.09.2024	Date of sample receipt : 11.09.2024
Sample Nature / Name : ETP Plant	Analysis start date : 12.09.2024
Sample Condition : Satisfactory	Analysis completion date : 16.09.2024
Sample particulars : High TDS Sample	Sampling protocol : APHA 23 <sup>rd</sup> edition
Environmental Condition : .....	

**Results**

Sl No.	Parameters	Protocol	Test Result	Unit
01	Colour	APHA 23 <sup>rd</sup> Edition - 2017 , 2120, B	Objectionable	-----
02	Odour	APHA 23 <sup>rd</sup> Edition - 2017, 2150, B	No agreeable	Hazen unit
03	pH	APHA 22 <sup>nd</sup> Edition - 2017, 4500-H <sup>+</sup> B	8.5	-----
04	Conductivity	APHA 23 <sup>rd</sup> Edition - 2017, 2510, B	40554	μ mhos
05	Fluoride	APHA 23 <sup>rd</sup> Edition - 2017 4500, F	0.37	mg/l
06	Chloride as Cl	APHA 23 <sup>rd</sup> Edition - 2017, 4500 - Cl, I	4591	mg/l
07	Chemical oxygen demand	APHA 23 <sup>rd</sup> Edition - 2017 5220, B	78181	mg/l
08	Biological oxygen Demand for 3 days at 27° C	IS 3025(Part 44):1993 reaffirmed 2014	7748	mg/l
09	Sulphates	APHA 23 <sup>rd</sup> Edition - 2017 4500 SO <sub>4</sub> , E	131	mg/l
10	Total Dissolved solids	APHA 23 <sup>rd</sup> Edition - 2017 , 2540 C	23417	mg/l
11	Total Suspended solids	APHA 23 <sup>rd</sup> Edition - 2017 , 2540 D	1578	mg/l
12	Residual free chlorine	APHA 23 <sup>rd</sup> Edition - 2017, 4500-Cl, I	0.17	mg/l
13	Phosphate as PO <sub>4</sub>	APHA 23 <sup>rd</sup> Edition - 2017 4500 -P D	5.4	mg/l
14	Sulphide as H <sub>2</sub> S	IS 3025 Part 29	4.1	mg/l
15	Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	APHA 23 <sup>rd</sup> Edition - 2017 5530- C	3.3	m.eqs/L
16	Residual Sodium Carbonate	IS 11624: 1986(RA 2009)	3.4	mg/l
17	Oil & Grease	APHA 23 <sup>rd</sup> Edition - 2017, 5520 D	6.2	mg/L

Reviewed By  
(Chemist)  
Ribeka

Checked by  
25-SEP-24  
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**

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**TEST REPORT**  
**WATER ANALYSIS REPORT**  
**(Sample Drawn By Industry)**

Page 1 of 1

Test Report No : SKAEW/W/2024/EG/SEP/19	Report Date : 16.09.2024
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 : 10.09.2024	Date of sample receipt : 11.09.2024
Sample Nature / Name : ETP Plant	Analysis start date : 12.09.2024
Sample Condition : Satisfactory	Analysis completion date : 16.09.2024
Sample particulars : ETP Feed Sample	Sampling protocol : APHA 23 <sup>rd</sup> edition
Environmental Condition: .....	

**Results**

Sl No.	Parameters	Protocol	Test Result	Unit
01	Colour	APHA 23 <sup>rd</sup> Edition - 2017, 2120, B	Objectionable	-----
02	Odour	APHA 23 <sup>rd</sup> Edition - 2017, 2150, B	No agreeable	Hazen unit
03	pH	APHA 22 <sup>nd</sup> Edition - 2017, 4500-H <sup>+</sup> B	8.5	-----
04	Conductivity	APHA 23 <sup>rd</sup> Edition - 2017, 2510, B	5465	$\mu$ mhos
05	Fluoride	APHA 23 <sup>rd</sup> Edition - 2017 4500, F	0.24	mg/l
06	Chloride as Cl	APHA 23 <sup>rd</sup> Edition - 2017, 4500 - Cl, I	563	mg/l
07	Chemical oxygen demand	APHA 23 <sup>rd</sup> Edition - 2017 5220, B	9222	mg/l
08	Biological oxygen Demand for 3 days at 27 <sup>o</sup> C	IS 3025(Part 44):1993 reaffirmed 2014	3357	mg/l
09	Sulphates	APHA 23 <sup>rd</sup> Edition - 2017 4500 SO <sub>4</sub> , E	19	mg/l
10	Total Dissolved solids	APHA 23 <sup>rd</sup> Edition - 2017, 2540 C	3058	mg/l
11	Total Suspended solids	APHA 23 <sup>rd</sup> Edition - 2017, 2540 D	121	mg/l
12	Residual free chlorine	APHA 23 <sup>rd</sup> Edition - 2017, 4500 - Cl, I	0.20	mg/l
13	Phosphate as PO <sub>4</sub>	APHA 23 <sup>rd</sup> Edition - 2017 4500 - P D	4.3	mg/l
14	Sulphide as H <sub>2</sub> S	IS 3025 Part 29	3.7	mg/l
15	Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	APHA 23 <sup>rd</sup> Edition - 2017 5530- C	0.0004	mg/l
16	Residual Sodium Carbonate	IS 11624: 1986(RA 2009)	0.23	m.eqs/L
17	Oil & Grease	APHA 23 <sup>rd</sup> Edition - 2017, 5520 D	4.2	mg/L

Reviewed By  
(Chemist)  
Ribeka

Checked by  
CP  
25-SEP-24  
End Of The Report

Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

**SHRI KRISHNA AQUA ENGINEERING WORKS**

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**TEST REPORT**  
**WATER ANALYSIS REPORT**  
**(Sample Drawn By Industry)**

Test Report No : SKAEW/W/2024/EG/SEP/20	Report Date : 16.09.2024
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 : 10.09.2024	Date of sample receipt : 11.09.2024
Sample Nature / Name : ETP Plant	Analysis start date : 12.09.2024
Sample Condition : Satisfactory	Analysis completion date : 16.09.2024
Sample particulars : ETP R O permeate water	Sampling protocol : APHA 23 <sup>rd</sup> edition
Environmental Condition : .....	

Results

Sl.No	Parameters	Protocol	Unit	Test Result	Limits
01	pH	APHA 23 <sup>rd</sup> Edition 4500 H *B	....	8.2	6.0 – 8.5
02	Odour	APHA 23 <sup>rd</sup> Edition 2150-B	Agreeable	Agreeable	Agreeable
03	Chemical Oxygen Demand	APHA 23 <sup>rd</sup> Edition -2017,5220B	mg/L	49	250 PPM
04	Biological oxygen Demand for 3 days at 27* C	IS 3025(Part 44):1993 reaffirmed 2014	mg/L	22	30 PPM
05	Ammonical Nitrogen	APHA 23 <sup>rd</sup> Edition 2517,4500 – P D	PPM	55	100 PPM
06	Total Suspended Solids	APHA 23 <sup>rd</sup> Edition ,2017, 2540 D	mg/L	Nil	100 PPM
07	Oil & Grease	APHA 23 <sup>rd</sup> Edition 2017,5520 D	mg/L	Nil	10 PPM
08	Total Dissolved Solids	APHA 23 <sup>rd</sup> Edition 2017,2540 C	mg/L	48	2100 Max

Reviewed By  
(Chemist)  
Ribeka

Checked by  
CP  
25-Sep-24

End Of The Report

Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

\* All Parameters are within limits

# SHRI KRISHNA AQUA ENGINEERING WORKS

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### TEST REPORT ETP WATER ANALYSIS REPORT (Sample Drawn By Industry)

Page 1 of 1

Test Report No : SKAEW/W/2024/EG/SEP/15	Report Date : 14.09.2024
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 : 09.09.2024	Date of sample receipt : 10.09.2024
Sample Nature / Name : ETP Water	Analysis start date : 11.09.2024
Sample Condition : Satisfactory	Analysis completion date : 14.09.2024
Sample particulars : Treated effluent (R O permeate)	Sampling protocol : APHA 23 <sup>rd</sup> 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

Checked by



25-SEP-24

End Of The Report

  
Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

\* Parameters is within in limit

# SHRI KRISHNA AQUA ENGINEERING WORKS

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### TEST REPORT

#### STP WATER ANALYSIS REPORT

(Sample Drawn By Industry)

Page 1 of 1

Test Report No : SKAEW/W/2024/EG/SEP/16	Report Date : 15.09.2024
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 : 10.09.2024	Date of sample receipt : 11.09.2024
Sample Nature / Name : STP water	Analysis start date : 12.09.2024
Sample Condition : Satisfactory	Analysis completion date : 15.09.2024
Sample particulars : STP Inlet	Sampling protocol : APHA 23 <sup>rd</sup> edition
Environmental Condition : .....	

#### Results

Parameters	Protocol	Result	Unit
pH	APHA 23 <sup>rd</sup> Edition 4500-H+,B	10.2	....
Biological oxygen Demand for 3 days at 27°C	IS 3025 (Part 44):1993 Reaffirmed 2009	163	mg/l
Chemical Oxygen Demand	APHA 23 <sup>rd</sup> Edition 5220-B	322	mg/l
Suspended solids	APHA 23 <sup>rd</sup> Edition 2540-D	129	mg/l

Reviewed By  
(Chemist)  
Ribeka

Checked by  
*[Signature]*  
25-SEP-24  
End Of The Report

*[Signature]*  
Authorised Signatory  
(Technical Manager)  
Mrs. Radha M Bengeri

# SHRI KRISHNA AQUA ENGINEERING WORKS

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### TEST REPORT STP WATER ANALYSIS REPORT (Sample Drawn By Industry)


Test Report No : SKAEW/W/2024/EG/SEP/17	Report Date : 15.09.2024
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 : 10.09.2024	Date of sample receipt : 11.09.2024
Sample Nature / Name : STP water	Analysis start date : 12.09.2024
Sample Condition : Satisfactory	Analysis completion date : 15.09.2024
Sample particulars : STP Outlet	Sampling protocol : APHA 23 <sup>rd</sup> Edition
Environmental Condition : .....	

#### Results

Parameters	Protocol	Result	Unit	Tolerance limits
pH	APHA 23 <sup>rd</sup> Edition 4500-H+,B	8.3	.....	6.5 to 9.0
Biological oxygen Demand for 3 days at 27°C	IS 3025 (Part 44):1993 Reaffirmed 2009	6.1	mg/l	10
Total Suspended solids	APHA 23 <sup>rd</sup> Edition 2540-D	11.5	mg/l	20
Chemical Oxygen Demand	APHA 23 <sup>rd</sup> Edition 5220-B	25.4	mg/l	50
Ammonical Nitrogen (NH <sub>4</sub> -N)	APHA 23 <sup>rd</sup> Edition 4500-NO <sub>3</sub> -,B	2.5	mg/l	5
Total Nitrogen	APHA 23 <sup>rd</sup> Edition 4500-NO <sub>3</sub> -,B	4.4	mg/l	10
Fecal Coliform MPN/100ml	IS 1622-1981	Not Detected	MPN	Less than 100

  
Reviewed By  
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Ribeka

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25-Sep-24  
End Of The Report

  
Authorised Signatory  
(Technical Manager)  
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\* All Parameters are within limits