

26th Nov 2021.

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

Sub: Submission of Half-yearly EC compliance status from April-2020 to September-2021.

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, Dtd, 28-August-2020.

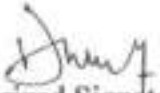
Respected Sir,

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.

Thanking You.

Yours faithfully,
For Sai Life Sciences Limited.



Authorized Signatory.

Enclosed copy: Compliance report of EC Condition



Cc To: 1. The Karnataka State Pollution Control Board, Plot No. 42(B -2), Naubad Industrial Area,
Bidar-585 403.

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

3. The Member Secretary, SEIAA Karnataka (Ecology and Environment) Dept of Forest ecology
and environment, Government of Karnataka, Room No. 709. 7th floor, 4th Gate, MS Building,
Bengaluru – 56001.

CIN: U24110TG1999PLC03097

Sai Life Sciences Ltd. Unit-IV, Plot No.79-B, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, BIDAR-585403

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**Environmental Clearance No. SEIAA - 36 IND 2020, Dtd: 28-August-2020.
Compliance report of EC Condition from April-2021 to September-2021**



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:

S.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 (CSEMS) for Boiler stack, this real time data connected to KSPCB server. 2. We are being submitted reports to KSPCB regional office on monthly basis of boiler stack SPM (mg/Nm ³) Minimum, Maximum, Average values. 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. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within and outside the plant area at least at four locations (One within and three outside the plant area at angle of 120 each), covering upwind and downwind directions.	Noted. It will be complied. Present we are monitored of Ambient Air quality through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. Refer to annexure-2.
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-3.
5.	Storage of raw materials, coal etc. shall be either stored in silos or in covered area to prevent dust pollution and other fugitive emissions.	Complied. A. Boiler coal storage in closed shed and provided water mist to control dust dispersion into environment . B. Closed conveyor system to handle the coal loading activity. C. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM < 100 mg/Nm ³). Refer to annexure-4.

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.	Complied. Regular monitoring of Ambient air quality, process emission and treated effluent are being carried out. The monitoring report are being submitted to the KSPCB regional office-Bidar in regular intervals.
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.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.

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).	Complied. We have provided online continuous monitoring of effluents (OCEMS). Treated effluent flow meter connected to CPCB/KSPCB servers. Refer to annexure-5.
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).	Complied. The unit has zero liquid discharge system (ZLDS). Comprising of Multiple effect evaporation system (MEE), Effluent treatment plant (ETP) and Reverse osmosis system (RO), and Effluent treated is used in cooling tower as a makeup.
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, Whichever is more stringent.	Complied. We have a Zero Liquid Discharge (ZLD) unit comprising of Biological ETP, Multiple Effect Evaporation system (MEE) and Reverse Osmosis (RO) Unit. Effluent treated is used in cooling tower as a makeup. Raw & treated effluent quality reports are submitting to the board regularly Refer to annexure-6.
4.	Total fresh water requirement shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authority/ CGWA in this regard.	Complied. 1. Water Consumption is being monitored on daily basis and is being complied within limits. 2. Ground water extraction NOC received from KGWA on 23-July-2021. Refer to annexure-7.

5.	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>Complied.</p> <p>A. Storm water not mixed 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 & building pathways at site are provided with uniform sloping to drive the water towards the drainages & storm drain system.</p> <p>D. We have provided adequate rainwater storage tank.</p> <p>Refer to annexure-8.</p>
6.	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>Complied.</p> <p>A. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining & catch basins.</p> <p>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-9.</p>

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-10.</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</p>

		qualified of maintenance team. Refer to annexure-11.
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	Complied. It is being followed.

V. Energy Conservation measures:

1.	The energy sources for lighting purposes shall preferably be LED based.	Complied. The energy conservation measures in unit and LED lights provided for lighting purpose.
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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 -12.
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.

The company shall undertake waste minimization measures as below

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 -13.
	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 -14.

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 -15.
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 -16.

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. Adequate area of green belt is available in our factory premises Development of greenbelt in & around the plant (Total 4300 no's of plants already planted). Greenbelt photographs are attached Refer to annexure -17.
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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 villeges 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 –18.
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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 – 19.
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 – 20.
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-21. c. We had taken several environmental management programs. For full details refer to annexure-21.
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 13-July-2021 to 15-July -21, for full details refer to Annexure-22.

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 – 23.

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 – 24.
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 ₂ , NO _x (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.	AAQMS are monitored through approved laboratories and reports are submitted to KSPCB regional office on monthly basis. Uploaded in company website and being updated half -Yearly. Refer to annexure – 2
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 It will be followed.
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 ros.z.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 will be followed.
10.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
11.	The project proponent shall abide by all the commitments and recommendations made in the EIA/ EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted and being followed.

12.	No further expansion or modifications in the plant shall be carried out without prior approval of this Authority or the Ministry of Environment, Forests and Climate Change (MOEF & CC).	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
13.	Concealing factual data or submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
14.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
15.	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and shall follow the same as per the MOEF / PCB rules and guidelines.
16.	The Regional Office of MOEF&CC shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.	Noted and being followed.
17.	The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention and control of pollution) Act, 1981, the Environment (Protection) Act, 1986, hazardous and other wastes (Management and 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.	Complied.

		<p>A. Our Boiler works on fluidized bed technology for effective combustion and has pulsating fiber glass filters for efficient emission control (SPM < 100 mg/Nm³).</p> <p>B. Cyclone separator installed followed by the bag filter and stack height is in line with norms.</p> <p>Refer to annexure – 3.</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 server.</p> <p>2. We are being submitted reports to KSPCB regional office on monthly basis of boiler stack SPM (mg/Nm³) Minimum, Maximum, Average values.</p> <p>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.</p> <p>Refer to annexure -14.</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.</p> <p>Refer to annexure – 4.</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	Complied.

	beyond the permissible requirement of 33 %, wherever feasible.	<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&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"> 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 2.5 acres in lease land as part of social forestry initiative. <p>Development of greenbelt in & around the plant (Total 4300 no's of plants already planted). Greenbelt photographs are attached. Refer to annexure -17.</p>
8.	Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc,	Noted and will be complied.
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.	<p>Complied.</p> <p>Recycled water is being used in cooling towers as make up water.</p>
2.	Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting)	<p>Complied.</p> <p>The strong dedicated team manage the 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 effluent generation 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>

<p>3.</p>	<p>A detailed water harvesting plan may be submitted by the project proponent</p>	<p>Complied. Rain water management : A. Storm water shall not be allowed to mix with effluent and floor washing. B. Spill kits are provided across all the plants. Dyke walls /curb walls are provided wherever required towards secondary containment. C. All the site walkways & building pathways at site are provided with uniform sloping to drive the water towards the drainages & storm drain system. C. All the building constructed at site are provided with uniform sloping at the roof to drive the water towards the draining & catch basins. D. We have provided adequate rainwater storage tank. E. The rainwater used to utilities as makeup.</p>
<p>4.</p>	<p>Zero liquid discharge wherever Techno Economically feasible</p>	<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). The ZLDS facility includes following components: A. Stripper B. Multiple Effect Evaporator (MEE) C. Agitated Thin Film Dryer (ATFD) D. Primary & biological treatment E. Reverse Osmosis (RO) system. The tanks are provided with impervious acid proof lining to prevent any kind of spillage of effluent. The collected effluent is transferred to treatment facility through closed transfer system provided with SS / HDPE / rigid pipelines, compatible gaskets for pipeline and flange guard provided for HCL pipeline. The entire area of ETP facility is provided with hard flooring and acid resistance impervious lining for hazard operation areas and leak prevention. All the collection tanks and the ETP area is provided with adequate secondary containment to prevent any spills leaking into the environment. We have in-house ETP laboratory and the effluent generated are analyzed for quality parameters in this lab.</p>

		ZLDS facility photographs are attached. Refer to annexure -25.
5.	In case, domestic waste water generation is more than 10 KLD, the industry may install STP.	Complied. We have installed Sewage treatment plant (STP) and the domestic effluent is being treated in STP. STP plant and flow scheme attached as Annexure-26.

C.Land:

Stipulation of condition such as :		
1.	Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.	Complied. 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&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. Following are the activities undertaken with regards to same: 1. Extending of green belt in existing area of 6.3 acre (Sy.No 280). 2. Development of green belt in 0.5 acre (Plot No.130A) site 3. Plantation along the boundary wall adjacent to main road near to ZLDS plant. 4. Development of green cover 2.5 acres in lease land as part of social forestry initiative. Development of greenbelt in & around the plant (Total 4300 no's of plants already planted). Greenbelt photographs are attached Refer to annexure -17.
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 followed.
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



NABL-No. T-6568

ENVIRO CONSULTENCY

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Email : envirogulbarga13@gmail.com, Cell : 9902940713

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1	Name of the Location	Near Work Shop
2	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
3	Sample Collected By	By us
4	Date of Sample Collection	02/09/2021
5	Particulars of the Instrument Used	Envirotech/APM 460 BL (RDS Machine) Envirotech/APM 550
6	Date of Sample Receipt	03/09/2021
7	Report No	AA-247
8	Date of Analysis Started	04/09/2021
9	Date of Analysis Completed	04/09/2021
10	Date of Report Sent	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS 5182 (Part V)- 1975 (Reaffirmed 2009) & IS 5182 (Part 14): 2000 (Reaffirmed 2010)

RESULTS

Sl NO.	PARAMETERS	UNITS	PROTOCOLS	RESULTS	LIMITS (NAAQS)
01	Particulate Matter as (PM ₁₀)	µg/ m ³	IS 5182 (Part 23) : 2006 (Reaffirmed-2014)	71.6	100
02	Particulate Matter as (PM _{2.5})	µg/ m ³	IS 5182 (Part 23) : 2006 (Reaffirmed-2014)	21.4	60

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

End of the Report


Analysed By

Checked by



28-Sep-2021


Authorized signatory

* All Parameters are within limits.



PREMIER ANALYTICAL LABORATORIES

(Environment Monitoring & Minerals Testing Services)

ISO 9001 : 2015 Certified Laboratory

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Tel. : 08394 - 228683 / email : premierlabhpt@gmail.com

TEST REPORT

Report No : PAL/HPT/ 434 /A/2021	Date of Sampling	02.09.2021
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	03.09.2021
	Date of Analysis Started	04.09.2021
	Date of Analysis Completed	08.09.2021
	Date of Report	08.09.2021
Name of Location : Near Work Shop	Code Number	554
	Duration of Sampling	24 Hours
Particulars of Sample Collected : Ambient	Sampling Description	Polyethylene Container
Environmental Condition : Normal	Sampling method	IS: 5182

RESULTS

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS			NAAQ STANDARDS
01	Sulphur Dioxide	IS:5182 (Part 2)	µg/m ³	9.3	8.8	9.4	80.0
02	Nitrogen Dioxide	IS:5182 (Part 6) 2006	µg/m ³	12.5	11.4	13.6	80.0
03	Carbon Monoxide	IS:5182 (Part 10)	µg/m ³	0.4	0.6	0.5	2.0
04	Lead (Pb)	IS:5182 (Part 22) 2006	µg/m ³	0.6			1.0
05	Arsenic (As)	CPCB Manual	Ng/m ³	BDL			6.0
06	Nickel (Ni)	CPCB Manual	Ng/m ³	BDL			20.0
07	Ozone (O ₃)	CPCB Manual	µg/m ³	6.5			100.0
08	Ammonia (NH ₃)	CPCB Manual	µg/m ³	5.8			400.0
09	Benzene (C ₆ H ₆)	IS:5182 (Part 11)	µg/m ³	BDL			5.0
10	Benzo (a),pyrene (BaP)	IS:5182 Part 12)	Ng/m ³	BDL			1.0

INFERENCE	As per NAAQ Standards, Report Status:-The above tested results are within the limits
------------------	---

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CP

28-Sep-2021



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Authorised Signatory

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Email : envirogulbarga13@gmail.com, Cell : 9902940713

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1	Name of the Location	Near Ware House
2	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
3	Sample Collected By	By us
4	Date of Sample Collection	02/09/2021
5	Particulars of the Instrument Used	Envirotech/APM 460 BL (RDS Machine) Envirotech/APM 550
6	Date of Sample Receipt	03/09/2021
7	Report No	AA-245
8	Date of Analysis Started	04/09/2021
9	Date of Analysis Completed	04/09/2021
10	Date of Report sent	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS 5182 (Part V)- 1975 (Reaffirmed 2009) & IS 5182 (Part 14): 2000 (Reaffirmed 2010)

RESULTS

Sl NO.	PARAMETERS	UNITS	PROTOCOLS	RESULTS	LIMITS (NAAQS)
01	Particulate Matter as (PM ₁₀)	µg/ m ³	IS 5182 (Part 23) : 2006 (Reaffirmed-2014)	67.2	100
02	Particulate Matter as (PM _{2.5})	µg/ m ³	IS 5182 (Part 23) : 2006 (Reaffirmed-2014)	17.7	60

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

End of the Report


Analysed By

Checked by



28-Sep-2021


Authorized signatory

* All Para-meters are within limits.



PREMIER ANALYTICAL LABORATORIES

(Environment Monitoring & Minerals Testing Services)

ISO 9001 : 2015 Certified Laboratory

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Tel. : 08394 - 228683 / email : premierlabhpt@gmail.com

TEST REPORT

Report No : PAL/HPT/ 433 /A/2021	Date of Sampling	02.09.2021
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	03.09.2021
	Date of Analysis Started	04.09.2021
	Date of Analysis Completed	08.09.2021
	Date of Report	08.09.2021
Name of Location : Near Wear House	Code Number	553
	Duration of Sampling	24 Hours
Particulars of Sample Collected : Ambient	Sampling Description	Polyethylene Container
Environmental Condition : Normal	Sampling method	IS: 5182

RESULTS

Sl No	PARAMETERS	PROTOCOL	UNITS	RESULTS			NAAQ STANDARDS
01	Sulphur Dioxide	IS:5182 (Part 2)	µg/m ³	10.1	9.5	8.7	80.0
02	Nitrogen Dioxide	IS:5182 (Part 6) 2006	µg/m ³	12.8	11.5	12.2	80.0
03	Carbon Monoxide	IS:5182 (Part 10)	µg/m ³	0.5	0.3	0.4	2.0
04	Lead (Pb)	IS:5182 (Part 22) 2006	µg/m ³	0.5			1.0
05	Arsenic (As)	CPCB Manual	Ng/m ³	BDL			6.0
06	Nickel (Ni)	CPCB Manual	Ng/m ³	BDL			20.0
07	Ozone (O ₃)	CPCB Manual	µg/m ³	6.2			100.0
08	Ammonia (NH ₃)	CPCB Manual	µg/m ³	7.3			400.0
09	Benzene (C ₆ H ₆)	IS:5182 (Part 11)	µg/m ³	BDL			5.0
10	Benzo (a), pyrene (BaP)	IS:5182 Part 12)	Ng/m ³	BDL			1.0

INFERENCE	As per NAAQ Standards, Report Status:-The above tested results are within the limits
------------------	---

Checked by
CB
28. Sep. 2021



[Signature]
Authorised Signatory

* All Para meters are with in limits.

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ANALYSIS REPORT OF AMBIENT AIR QUALITY

1	Name of the Location	Near ETP Area
2	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
3	Sample Collected By	By us
4	Date of Sample Collection	02/09/2021
5	Particulars of the Instrument Used	Envirotech/APM 460 BL (RDS Machine) Envirotech/APM 550
6	Date of Sample Receipt	03/09/2021
7	Report No	AA-246
8	Date of Analysis Started	04/09/2021
9	Date of Analysis Completed	04/09/2021
10	Date of Report sent	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS 5182 (Part V)- 1975 (Reaffirmed 2009) & IS 5182 (Part 14): 2000 (Reaffirmed 2010)

RESULTS

Sl NO.	PARAMETERS	UNITS	PROTOCOLS	RESULTS	LIMITS (NAAQS)
01	Particulate Matter as (PM ₁₀)	µg/ m ³	IS 5182 (Part 23) : 2006 (Reaffirmed-2014)	86.5	100
02	Particulate Matter as (PM _{2.5})	µg/ m ³	IS 5182 (Part 23) : 2006 (Reaffirmed-2014)	24.4	60

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

End of the Report


Analysed By

Checked by


Authorized signatory



28-Sep-2021

* All Parameters are within limits.


TEST REPORT

Report No : PAL/HPT/ 432 /A/2021	Date of Sampling	02.09.2021
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	03.09.2021
	Date of Analysis Started	04.09.2021
	Date of Analysis Completed	08.09.2021
	Date of Report	08.09.2021
Name of Location : Near ETP Area	Code Number	552
	Duration of Sampling	24 Hours
Particulars of Sample Collected : Ambient	Sampling Description	Polyethylene Container
Environmental Condition : Normal	Sampling method	IS: 5182

RESULTS

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS			NAAQ STANDARDS
01	Sulphur Dioxide	IS:5182 (Part 2)	µg/m ³	8.4	9.3	9.6	80.0
02	Nitrogen Dioxide	IS:5182 (Part 6) 2006	µg/m ³	10.9	11.4	12.5	80.0
03	Carbon Monoxide	IS:5182 (Part 10)	µg/m ³	0.4	0.6	0.3	2.0
04	Lead (Pb)	IS:5182 (Part 22) 2006	µg/m ³	0.4			1.0
05	Arsenic (As)	CPCB Manual	Ng/m ³	BDL			6.0
06	Nickel (Ni)	CPCB Manual	Ng/m ³	BDL			20.0
07	Ozone (O ₃)	CPCB Manual	µg/m ³	8.5			100.0
08	Ammonia (NH ₃)	CPCB Manual	µg/m ³	7.3			400.0
09	Benzene (C ₆ H ₆)	IS:5182 (Part 11)	µg/m ³	BDL			5.0
10	Benzo (a) pyrene (BaP)	IS:5182 Part 12)	Ng/m ³	BDL			1.0

INFERENCE	As per NAAQ Standards, Report Status:-The above tested results are within the limits
------------------	---

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* All Parameters are within limits

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ANALYSIS REPORT OF AMBIENT AIR QUALITY

1	Name of the Location	Near DG Area
2	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
3	Sample Collected By	By us
4	Date of Sample Collection	02/09/2021
5	Particulars of the Instrument Used	Envirotech/APM 460 BL (RDS Machine) Envirotech/APM 550
6	Date of Sample Receipt	03/09/2021
7	Report No	AA-244
8	Date of Analysis Started	04/09/2021
9	Date of Analysis Completed	04/09/2021
10	Date of Report Sent	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS 5182 (Part V)- 1975 (Reaffirmed 2009) & IS 5182 (Part 14): 2000 (Reaffirmed 2010)

RESULTS

Sl NO.	PARAMETERS	UNITS	PROTOCOLS	RESLTS	LIMITS (NAAQS)
01	Particulate Matter as (PM ₁₀)	µg/ m ³	IS 5182 (Part 23) : 2006 (Reaffirmed-2014)	68.6	100
02	Particulate Matter as (PM _{2.5})	µg/ m ³	IS 5182 (Part 23) : 2006 (Reaffirmed-2014)	19.3	60

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

End of the Report

44
Analysed By

Checked by

SB
Authorized signatory

PT

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* All parameters are within limits.



PREMIER ANALYTICAL LABORATORIES

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Tel. : 08394 - 228683 / email : premierlabhpt@gmail.com


TEST REPORT

Report No : PAL/HPT/ 431 /A/2021	Date of Sampling	02.09.2021
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	03.09.2021
	Date of Analysis Started	04.09.2021
	Date of Analysis Completed	08.09.2021
	Date of Report	08.09.2021
Name of Location : Near DG Area	Code Number	551
	Duration of Sampling	24 Hours
Particulars of Sample Collected : Ambient	Sampling Description	Polyethylene Container
Environmental Condition : Normal	Sampling method	IS: 5182

RESULTS

Sl. No	PARAMETERS	PROTOCOL	UNITS	RESULTS			NAAQ STANDARDS
01	Sulphur Dioxide	IS:5182 (Part 2)	µg/m ³	10.2	9.5	8.6	80.0
02	Nitrogen Dioxide	IS:5182 (Part 6) 2006	µg/m ³	11.4	10.3	12.2	80.0
03	Carbon Monoxide	IS:5182 (Part 10)	µg/m ³	0.3	0.4	0.6	2.0
04	Lead (Pb)	IS:5182 (Part 22) 2006	µg/m ³	0.5			1.0
05	Arsenic (As)	CPCB Manual	Ng/m ³	BDL			6.0
06	Nickel (Ni)	CPCB Manual	Ng/m ³	BDL			20.0
07	Ozone (O ₃)	CPCB Manual	µg/m ³	7.5			100.0
08	Ammonia (NH ₃)	CPCB Manual	µg/m ³	6.1			400.0
09	Benzene (C ₆ H ₆)	IS:5182 (Part 11)	µg/m ³	BDL			5.0
10	Benzo (a), pyrene (BaP)	IS:5182 Part 12)	Ng/m ³	BDL			1.0

INFERENCE	As per NAAQ Standards, Report Status:-The above tested results are within the limits
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 28-09-2021




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* All Parameters are within limits.

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PAL/TK/F/10/01

TEST REPORT*

SOURCE EMISSION ANALYSIS REPORT

Page 1 of 1

Test Report No : PAL/HPT/ 441 /W/RND/2021	Report Date : 06.09.2021
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 : 03.09.2021	Date of sample receipt : 04.09.2021
Sample Nature / Name : Source Emission	Analysis start date : 06.09.2021
Sample Condition : Satisfactory	Analysis completion date : 06.09.2021
Sample code No : 561	Sampling protocol : is 11255 (Part 1- 1985(reaffirmed 2003))
Sample particulars : Vayubodhan Stack Sampler VSS1	
Environmental Condition : Normal	

Results*

Stack ID	DG Set - 1010KVA - 2		
Manometer reading (H) MM (average)	5.1	Nozzle used	3/8" dia = 7.13×10^{-5}
		Diameter (m)	0.15
Stack Gas temperature(-C)	142	Fuel used	HSD
Ambient Temperature (-C)	29	Crossectional area(m ²)	0.017
Velocity (m/s)	8.8		
Rate of sampling	27.3		

Parameter	Protocol	Unit	DG set- 1010KVA	Standards
Particulate Matter as PM	IS:11255 (Part-1)1985Reaffirmed 2012	mg/Nm ³	74.5	150
Sulfur dioxide as SO ₂	IS:11255 (Part-2)1985Reaffirmed 2012	mg/Nm ³	11.5	100
Oxides of Nitrogen NO _x	IS:11255 (Part-2)1985Reaffirmed 2012	PPM	9.8	60
*Carbon monoxide (CO)	Instrumental	mg/Nm ³	9.1	100
*NMHC	Instrumental	mg/Nm ³	7	100

Note: 1)PM: Particulate matter, NMHC—Non methane hydrocarbons
2) *marked parameters do not carry accreditation



[Signature]
Authorised Signatory

* All Parameters are within limits

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28-Sep-2021



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Tel. : 08394 - 228683 / email : premierlabhpt@gmail.com

TEST REPORT*

SOURCE EMISSION ANALYSIS REPORT

Page 1 of 1

Test Report No : PAL/HPT/ 440 MW/RND/2021	Report Date : 06.09.2021
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 : 03.09.2021	Date of sample receipt : 04.09.2021
Sample Nature / Name : Source Emission	Analysis start date : 06.09.2021
Sample Condition : Satisfactory	Analysis completion date : 06.09.2021
Sample code No : 560	Sampling protocol : is 11255 (Part 1- 1985(reaffirmed 2003))
Sample particulars: Vayubodhan Stack Sampler VSS1	
Environmental Condition : Normal	

Results*

Stack ID	DG Set - 1010KVA -1		
Manometer reading (H) MM (average)	4.4	Nozzle used	3/8" dia = 7.13×10^{-3}
		Diameter (m)	0.15
Stack Gas temperature(-C)	126	Fuel used	HSD
Ambient Temperature (-C)	28	Crosssectional area(m ²)	0.017
Velocity (m/s)	8.0		
Rate of sampling	25.8		

Parameter	Protocol	Unit	DG set- 1010KVA	Standard s
Particulate Matter as PM	IS:11255 (Part-1)1985Reaffirmed 2012	mg/Nm ³	70	150
Sulfur dioxide as SO ₂	IS:11255 (Part-2)1985Reaffirmed 2012	mg/Nm ³	12.4	100
Oxides of Nitrogen NO _x	IS:11255 (Part-2)1985Reaffirmed 2012	PPM	9.2	60
*Carbon monoxide (CO)	Instrumental	mg/Nm ³	8.7	100
*NMHC	Instrumental	mg/Nm ³	8	100

Note: 1)PM: Particulate matter,NMHC—Non methane hydro carbon
2) *marked parameters do not carry accreditation

* All Parameters are
within limits

Checked by
CP

25-Sep-2021



[Signature]
Authorised Signatory

Note : 1. The result listed above pertain only to the tested samples & applicable parameters. 2. Total liability of our Laboratory is limited to the Invoice amount. 3. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law & should not be used in advertising media without prior written permission. 4. Sampling is not done by us unless otherwise specified.



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ANALYSIS REPORT OF SOURCE EMISSION

1	Name of the Industry	M/s. Sal Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	500 KVA DG Set
3	Sample Collected By	By Us
4	Date of Sample Collection	03/09/2021
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	04/09/2021
7	Sample Number	AA-250
8	Date of Analysis Started	06/09/2021
9	Date of Analysis Completed	06/09/2021
10	Report Number	EC-EL/21-22
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)	82
Ambient Temperature (°C)	29
Stack Gas Velocity (m/s)	6.7
Rate of Sampling	24.3
Nozzle Used	3/8" dia = 7.13×10^{-3}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	65.8
Fuel Used	Diesel
Diameter (m)	0.15
Cross Sectional Area of Stack (m ²)	0.017
Flow/Discharge rate (Nm ³ /hr)	348.8

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm ³	83.6	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO ₂	mg/Nm ³	7.8	IS:11255 (Part-2)1985 Reaffirmed 2012	100
*3	Oxides of Nitrogen NO _x	PPM	10.4	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.			

End of the Report

Analysed By

Checked by

Authorized signatory

CA

28-Sep-2021

* All Parameters are within limits.



NABL-No. T-6568

ENVIRO CONSULTENCY

(NABL ACCREDITED LABORATORY)

Office : 3rd Floor, Crystal Plaza, Near Mediscan Lab, Kalaburagi - 585 102

Email : envirogulbarga13@gmail.com, Cell : 9902940713

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	750KVA DG Set
3	Sample Collected By	By Us
4	Date of Sample Collection	03/09/2021
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	04/09/2021
7	Sample Number	AA-251
8	Date of Analysis Started	06/09/2021
9	Date of Analysis Completed	06/09/2021
10	Report Number	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	4.7
Stack Gas Temperature ($^{\circ}$ C)	126
Ambient Temperature ($^{\circ}$ C)	29
Stack Gas Velocity (m/s)	8.3
Rate of Sampling	26.8
Nozzle Used	3/8" dia = 7.13×10^{-5}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	59.7
Fuel Used	Diesel
Diameter (m)	0.15
Cross Sectional Area of Stack (m^2)	0.017
Flow/Discharge rate (Nm^3/hr)	384.4

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm^3	94.6	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO_2	mg/Nm^3	8.9	IS:11255 (Part-2)1985 Reaffirmed 2012	100
*3	Oxides of Nitrogen NO_x	PPM	12.5	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.
-----------	--

Analysed By

End of the Report

Authorized signatory

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 28-Sep-2021

* All Parameters are within limits.



NABL-No. T-6568

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(NABL ACCREDITED LABORATORY)

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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	03/09/2021
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	04/09/2021
7	Sample Number	AA-252
8	Date of Analysis Started	06/09/2021
9	Date of Analysis Completed	06/09/2021
10	Report Number	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

DATA COLLECTED DETAILS

Manometer Reading (H) mm (Average)	3.4
Stack Gas Temperature ($^{\circ}$ C)	84
Ambient Temperature ($^{\circ}$ C)	28
Stack Gas Velocity (m/s)	6.6
Rate of Sampling	23.8
Nozzle Used	3/8" dia = 7.13×10^{-3}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	67.2
Fuel Used	Diesel
Diameter (m)	0.5
Cross Sectional Area of Stack (m^2)	0.196
Flow/Discharge rate (Nm^3/hr)	3926.45

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm^3	69.7	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO_2	mg/Nm^3	7.1	IS:11255 (Part-2)1985 Reaffirmed 2012	100
*3	Oxides of Nitrogen NO_x	mg/Nm^3	11.3	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.			

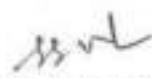
End of the Report


Analysed By

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28-Sep-2021


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* All Parameters are within limits.



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(NABL ACCREDITED LABORATORY)

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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	03/09/2021
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	04/09/2021
7	Sample Number	AA-253
8	Date of Analysis Started	06/09/2021
9	Date of Analysis Completed	06/09/2021
10	Report Number	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	3.6
Stack Gas Temperature ($^{\circ}$ C)	88
Ambient Temperature ($^{\circ}$ C)	28
Stack Gas Velocity (m/s)	6.9
Rate of Sampling	24.6
Nozzle Used	3/8" dia = 7.13×10^{-3}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	65.0
Fuel Used	Diesel
Diameter (m)	0.5
Cross Sectional Area of Stack (m^2)	0.196
Flow/Discharge rate (Nm^3/hr)	4059.44

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm^3	73.1	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO_2	mg/Nm^3	8.2	IS:11255 (Part-2)1985 Reaffirmed 2012	100
*3	Oxides of Nitrogen NO_x	mg/Nm^3	11.3	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.			

End of the Report

Analysed By

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* All Parameters are within limits.



NABL-No. T-65611

ENVIRO CONSULTENCY

(NABL ACCREDITED LABORATORY)

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Email : envirogulbarga13@gmail.com, Cell : 9902940713

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
3	Sample Collected By	By Us
4	Date of Sample Collection	03/09/2021
5	Particulars of the Instrument Used	Vayubodhan stack kit (VSS1)
6	Date of Sample Receipt	04/09/2021
7	Sample Number	AA-254
8	Date of Analysis Started	06/09/2021
9	Date of Analysis Completed	06/09/2021
10	Report Number	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

DATA COLLECTED DETAILS

Monometer Reading (H) mm (Average)	4.6
Stack Gas Temperature (°C)	103
Ambient Temperature (°C)	28
Stack Gas Velocity (m/s)	7.9
Rate of Sampling	27.0
Nozzle Used	3/8" dia = 7.13×10^{-2}
Pitot Tube Constant	0.836
Period of Sampling in Minutes	59.2
Fuel Used	Coal
Diameter (m)	0.9
Cross Sectional Area of Stack (m ²)	0.636
Flow/Discharge rate (Nm ³ /hr)	14479.89

RESULTS

Sl. No.	Parameters	Unit	Result	Protocol	Limits as per KSPCB
				Indian Standard Part No. & Year	
1	Particulate Matter as PM	mg/Nm ³	67.6	IS:11255 (Part-1)1985 Reaffirmed 2012	150
2	Sulfur dioxide as SO ₂	mg/Nm ³	8.3	IS:11255 (Part-2)1985 Reaffirmed 2012	100
*3	Oxides of Nitrogen NO _x	PPM	12.2	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.			

End of the Report

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Authorized signatory

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SP

28-Sep-2021

* All Parameters are within limits.



NABL-No. T-6568

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(NABL ACCREDITED LABORATORY)

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TEST REPORT*

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Scrubber
3	Sample Collected By	By us
4	Date of Sample Collection	04/09/2021
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	06/09/2021
7	Sample Number	AA-255
8	Date of Analysis Started	07/09/2021
9	Date of Analysis Completed	07/09/2021
10	Report Number	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

GENERAL DETAILS

Stack ID	Scrubber - DSCR 09	Scrubber - DSCR10	Scrubber - DSCR11	Scrubber - DSCR12
Temperature	29	30	31	30
Velocity (m/s)	7.4	7.9	8.2	8.4
Diameter (m)	0.5	0.5	0.5	0.5
Cross Sectional area (m ²)	0.196	0.196	0.196	0.196

RESULTS*

S.No	Stack ID	PARAMETERS	PROTOCOL	UNITS	RESULTS*	STANDARD
1	Scrubber -01	Acid Mist	EPA Method	mg/Nm ³	11.5	20 Max
2	Scrubber -02	Acid Mist	EPA Method	mg/Nm ³	12.2	20 Max
3	Scrubber -03	Acid Mist	EPA Method	mg/Nm ³	11.4	20 Max
4	Scrubber -04	Acid Mist	EPA Method	mg/Nm ³	10.9	20 Max

INFERENCE	As Per KSPCB Standards, Report Status: The above tested results are with in the limits.
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AG
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END OF THE REPORT

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28-Sep-2021

* All Para meters are with in limits.



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TEST REPORT*

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Scrubber
3	Sample Collected By	By us
4	Date of Sample Collection	04/09/2021
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	06/09/2021
7	Sample Number	AA-256
8	Date of Analysis Started	07/09/2021
9	Date of Analysis Completed	07/09/2021
10	Report Number	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

GENERAL DETAILS

Stack ID	Scrubber - DSCR16	Scrubber - DSCR 17	Scrubber - DSCR6	Scrubber - DSCR7
Temperature	31	28	31	29
Velocity (m/s)	8.5	7.8	8.1	7.6
Diameter (m)	0.5	0.5	0.5	0.5
Cross Sectional area (m ²)	0.196	0.196	0.196	0.196

RESULTS*

S.No	Stack ID	PARAMETERS	PROTOCOL	UNITS	RESULTS*	STANDARD
1	Scrubber -05	Acid Mist	EPA Method	mg/Nm ³	12.1	20 Max
2	Scrubber -06	Acid Mist	EPA Method	mg/Nm ³	11.5	20 Max
3	Scrubber -07	Acid Mist	EPA Method	mg/Nm ³	12.3	20 Max
4	Scrubber -08	Acid Mist	EPA Method	mg/Nm ³	11.2	20 Max

INFERENCE

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

END OF THE REPORT

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CP

28-Sep-2021

* All Parameters are within limits.



NABL No. T-6568

ENVIRO CONSULTENCY

(NABL ACCREDITED LABORATORY)

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TEST REPORT*

1	Name of the Industry	M/s. Sai Life Sciences Limited, Unit-4, 80-A, 80-B, 81-A & 82, Kolhar Industrial Area, Bidar-585403
2	Stack Location	Scrubber
3	Sample Collected By	By us
4	Date of Sample Collection	04/09/2021
5	Particulars of the Instrument Used	Vayubodhan Stack Kit (VSS1)
6	Date of Sample Receipt	06/09/2021
7	Sample Number	AA-257
8	Date of Analysis Started	07/09/2021
9	Date of Analysis Completed	07/09/2021
10	Report Number	EC-EL/21-22
11	Environmental Condition	Normal
12	Sampling Method	IS:11255 (Part-3):2008

GENERAL DETAILS

Stack ID	Scrubber – DSCR 04	Scrubber – DSCR14	Scrubber DSCR 15
Temperature	30	29	31
Velocity (m/s)	8.0	7.1	8.3
Diameter (m)	0.5	0.5	0.5
Cross Sectional area (m ²)	0.196	0.196	0.196

RESULTS*

S.No	Stack ID	PARAMETERS	PROTOCOL	UNITS	RESULTS*	STANDARD
1	Scrubber -09	Acid Mist	EPA Method	mg/Nm ³	11.7	20 Max
2	Scrubber -10	Acid Mist	EPA Method	mg/Nm ³	10.4	20 Max
3	Scrubber -11	Acid Mist	EPA Method	mg/Nm ³	12.5	20 Max

INFERENCE

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

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END OF THE REPORT

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* All Parameters are within limits.



NABL-No. T-65611

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(NABL ACCREDITED LABORATORY)

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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	AA-249

RESULTS*

Sl.No	LOCATIONS	Date	Time Frequency	Parameters			Limits as Per KSPCB	Protocol
				Min.	Max.	Average L_{eq} in dB(A)		
01	Near Security Main Gate	3/8/21	10:00pm to 06:00am	54.6	66.3	60.4	70dB(A) for Night Time	IS- 9989- 1981 (Reaffirmed 2008)
02	Near DG Area	3/8/21	10:00pm to 06:00am	60.8	67.5	64.1		
03	Compressor Room	3/8/21	10:00pm to 06:00am	64.1	68.3	66.2		
04	Boiler House	3/8/21	10:00pm to 06:00am	62.7	68.6	65.6		
05	ETP Area	4/8/21	10:00pm to 06:00am	65.5	72.6	69.0		
06	Near Canteen	4/8/21	10:00pm to 06:00am	50.2	55.8	53.0		
07	Near Service Gate - 2	4/8/21	10:00pm to 06:00am	64.6	69.2	66.9		
08	Near Service Gate - 3	5/8/21	10:00pm to 06:00am	63.4	69.9	66.6		
09	Production Block	5/8/21	10:00pm to 06:00am	67.1	70.5	68.8		
10	Work Shop Area	5/8/21	10:00pm to 06:00am	66.6	71.3	68.9		

End of the Report

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28-Sep-2021.


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* All Parameters are within limits.



NABL-No. T-6568

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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	AA-248

RESULTS*

Sl.No	LOCATIONS	Date	Time Frequency	Parameters			Limits as Per KSPCB	Protocol
				Min.	Max.	Average L_{eq} in dB(A)		
01	Near Security Main Gate	2/9/21	06:00am to 10:00pm	58.4	69.7	64.0	75dB(A) for Day Time	IS- 9989- 1981 (Reaffirmed 2008)
02	Near DG Area	2/9/21	06:00am to 10:00pm	67.9	73.2	70.5		
03	Compressor Room	2/9/21	06:00am to 10:00pm	69.5	74.8	72.1		
04	Boiler House	2/9/21	06:00am to 10:00pm	65.3	72.5	68.9		
05	ETP Area	3/9/21	06:00am to 10:00pm	67.1	71.3	69.2		
06	Near Canteen	3/9/21	06:00am to 10:00pm	52.4	62.1	57.2		
07	Near Service Gate - 2	3/9/21	06:00am to 10:00pm	65.3	72.8	69.0		
08	Near Service Gate - 3	4/9/21	06:00am to 10:00pm	68.5	73.4	70.9		
09	Production Block	4/9/21	06:00am to 10:00pm	66.7	73.6	70.1		
10	Work Shop Area	4/9/21	06:00am to 10:00pm	69.4	74.4	71.9		

End of the Report

Analyzed By: 

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28-Sep-2021

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* All Parameters are within limits.

PREMIER ANALYTICAL LABORATORIES

(Environment Monitoring & Minerals Testing Services)

ISO 9001 : 2015 Certified Laboratory

Near Old Ganesh Gas Godown, Beside Govt. Primary School,
Amaravathi, HOSAPETE - 583 201, Ballari Dist., Karnataka.
Tel. : 08394 - 228683 / email : premierlabhpt@gmail.com**WATER ANALYSIS REPORT**
(Sample Drawn By Industry)

Page 1 of 1

Test Report No : PAL/HPT/ 446 /W/RND/2021	Report Date : 09.09.2021
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 : 03.09.2021	Date of sample receipt : 04.09.2021
Sample Nature / Name : ETP Plant	Analysis start date : 06.09.2021
Sample Condition : Satisfactory	Analysis completion date : 09.09.2021
Sample code No : 566	Sampling protocol : APHA 23 rd edition
Sample particulars : High TDS Sample	
Environmental Condition :	

Results

Sl No.	Parameters	Protocol	Test Result	Unit
01	Colour	APHA 23 rd Edition - 2017 , 2120, B	Objectionable	-----
02	Odour	APHA 23 rd Edition - 2017, 2150, B	No agreeable	Hazen unit
03	pH	APHA 22 nd Edition - 2017, 4500-H ⁺ B	8.24	-----
04	Conductivity	APHA 23 rd Edition - 2017, 2510, B	46443	μ mhos
05	Fluoride	APHA 23 rd Edition -2017 4500,F	1.25	mg/l
06	Chloride as Cl	APHA 23 rd Edition -2017,4500 - Cl, I	4915	mg/l
07	Chemical oxygen demand	APHA 23 rd Edition -2017 5220, B	77543	mg/l
08	Biological oxygen Demand for 3 days at 27 ^o C	IS 3025(Part 44):1993 reaffirmed 2014	8485	mg/l
09	Sulphates	APHA 23 rd Edition -2017 4500 SO ₄ ,E	276	mg/l
10	Total Dissolved solids	APHA 23 rd Edition -2017 ,2540 C	23458	mg/l
11	Total Suspended solids	APHA 23 rd Edition -2017 ,2540 D	1989	mg/l
12	*Residual free chlorine	APHA 23 rd Edition -2017,4500-Cl, I	0.19	mg/l
13	*Phosphate as PO ₄	APHA 23 rd Edition -2017 4500 -P D	3.1	mg/l
14	*Sulphide as H ₂ S	IS 3025 Part 29	3.4	mg/l
15	*Phenolic Compounds as C ₆ H ₅ OH	APHA 23 rd Edition -2017 5530- C	4.9	m.eqs/L
16	Residual Sodium Carbonate	IS 11624: 1986(RA 2009)	4.1	mg/l
17	Oil & Grease	APHA 23 rd Edition -2017,5520 D	5	mg/L

End of Report

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Pr 28-Sep-2021

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ISO 9001 : 2015 Certified Laboratory

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Amaravathi, HOSAPETE - 583 201, Ballari Dist., Karnataka.
Tel. : 08394 - 228683 / email : premierlabhpt@gmail.com**TEST REPORT****WATER ANALYSIS REPORT**

(Sample Drawn By Industry)

Page 1 of 1

Test Report No : PAL/HPT/ 439 /W/RND/2021	Report Date : 09.09.2021
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 : 03.09.2021	Date of sample receipt : 04.09.2021
Sample Nature / Name : ETP Plant	Analysis start date : 06.09.2021
Sample Condition : Satisfactory	Analysis completion date : 09.09.2021
Sample code No : 550	Sampling protocol : APHA 23 rd edition
Sample particulars : ETP Feed Sample	
Environmental Condition:	

Results

Sl No.	Parameters	Protocol	Test Result	Unit
01	Colour	APHA 23 rd Edition - 2017 , 2120, B	Objectionable	-----
02	Odour	APHA 23 rd Edition - 2017, 2150, B	No agreeable	Hazen unit
03	pH	APHA 22 nd Edition - 2017,4500-H ² B	6.9	-----
04	Conductivity	APHA 23 rd Edition - 2017, 2510, B	5872	μ mhos
05	Fluoride	APHA 23 rd Edition -2017 4500,F	0.83	mg/l
06	Chloride as Cl	APHA 23 rd Edition -2017,4500 - Cl, I	735	mg/l
07	Chemical oxygen demand	APHA 23 rd Edition -2017 5220, B	9361	mg/l
08	Biological oxygen Demand for 3 days at 27° C	IS 3025(Part 44):1993 reaffirmed 2014	3528	mg/l
09	Sulphates	APHA 23 rd Edition -2017 4500 SO ₄ ,E	51	mg/l
10	Total Dissolved solids	APHA 23 rd Edition -2017 ,2540 C	3325	mg/l
11	Total Suspended solids	APHA 23 rd Edition -2017 ,2540 D	184	mg/l
12	*Residual free chlorine	APHA 23 rd Edition -2017,4500-Cl, I	0.15	mg/l
13	*Phosphate as PO ₄	APHA 23 rd Edition -2017 4500 -P D	4.18	mg/l
14	*Sulphide as H ₂ S	IS 3025 Part 29	3.4	mg/l
15	*Phenolic Compounds as C ₆ H ₅ OH	APHA 23 rd Edition -2017 5530- C	0.001	mg/l
16	Residual Sodium Carbonate	IS 11624: 1986(RA 2009)	0.41	m.eqs/L
17	Oil & Grease	APHA 23 rd Edition -2017,5520 D	2.7	mg/L

End of Report

Checked by
28.09.2021

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TEST REPORT

WATER ANALYSIS REPORT (Sample Drawn By Industry)

Page 1 of 1

Test Report No : PAL/HPT/ 437 W/RND/2021	Report Date : 09.09.2021
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 : 03.09.2021	Date of sample receipt : 04.09.2021
Sample Nature / Name : ETP Plant	Analysis start date : 06.09.2021
Sample Condition : Satisfactory	Analysis completion date : 09.09.2021
Sample code No : 557	Sampling protocol : APHA 23 rd edition
Sample particulars : ETP R O permeate water	
Environmental Condition :	

Results

Sl.No	Parameters	Protocol	Unit	Test Result	KSPCB Standards
01	Odour	APHA 23 rd Edition -2017,2510, B	....	Un Objectionable	Un Objectionable
02	Colour	APHA 23 rd Edition 4500 H *B	Hazen Unit	Agreeable	Agreeable
03	pH	APHA 23 rd Edition 4500 H *B	....	8.24	5.5 - 9.0
04	Chlorides as Cl	APHA 23 rd Edition-2017 4500-Cl, I	mg/L	20	100 Max
05	Fluoride	APHA 23 rd Edition-2017 4500 F-D	mg/L	0.26	1.5 Max
06	Chemical Oxygen Demand	APHA 23 rd Edition -2017,5220B	mg/L	42	250 Max
07	Biological oxygen Demand for 3 days at 27° C	IS 3025(Part 44):1993 reaffirmed 2014	mg/L	29	100 Max
08	Sulphates	APHA 23 rd Edition 2017,4500,SO4E	mg/L	33	1000 Max
09	Total Dissolved Solids	APHA 23 rd Edition 2017,2540 C	mg/L	106	2100 Max
10	Total Suspended Solids	APHA 23 rd Edition ,2017, 2540 D	mg/L	21	100 Max
11	Phosphate as PO4	APHA 23 rd Edition 2517,4500 - P D	mg/L	0.7	5 Max
12	Sulphide as H2S	IS 3025 Part 29	mg/L	Nil	2 Max
13	Oil & Grease	APHA 23 rd Edition 2017,5520 D	µ ml/l	Nil	10 Max

END OF REPORT

checked by
Dr. 28-09-2021



[Signature]
Authorised Signatory

* All Parameters are within limits

Note : 1. The result listed above pertain only to the tested samples & applicable parameters. 2. Total liability of our Laboratory is limited to the Invoice amount. 3. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law & should not be used in advertising media without prior written permission. 4. Sampling is not done by us unless otherwise specified.



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(Environment Monitoring & Minerals Testing Services)

ISO 9001 : 2015 Certified Laboratory

Near Old Ganesh Gas Godown, Beside Govt. Primary School,
Amaravathi, HOSAPETE - 583 201, Ballari Dist., Karnataka.
Tel. : 08394 - 228683 / email : premierlabhpt@gmail.com

TEST REPORT

ETP WATER ANALYSIS REPORT (Sample Drawn By Industry)

Page 1 of 1

Test Report No : PAL/HPT/ 438 /W/RND/2021	Report Date :	09.09.2021
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 : 03.09.2021	Date of sample receipt :	04.09.2021
Sample Nature / Name : ETP Water	Analysis start date :	06.09.2021
Sample Condition : Satisfactory	Analysis completion date :	09.09.2021
Sample code No : 558	Sampling protocol : APHA 23 rd edition	
Sample particulars : Treated effluent (R O permeate)		
Environmental Condition:		

Results

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

Checked by
Pr
28-Sep-2021



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TEST REPORT

STP WATER ANALYSIS REPORT (Sample Drawn By Industry)

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Test Report No : PAL/HPT/ 435 W/RND/2021	Report Date :	09.09.2021
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 :	03.09.2021	Date of sample receipt : 04.09.2021
Sample Nature / Name :	STP water	Analysis start date : 06.09.2021
Sample Condition :	Satisfactory	Analysis completion date: 09.09.2021
Sample code No :	555	Sampling protocol : APHA 23 rd edition
Sample particulars :	STP Inlet	
Environmental Condition :	.....

Results

Parameters	STP Inlet water	Unit
pH	9.6	.....
Oil & Grease	10	mg/l
Biological oxygen Demand for 3 days at 27°C	125	mg/l
Chemical Oxygen Demand	232	mg/l
Suspended solids	72	mg/l

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TEST REPORT

STP WATER ANALYSIS REPORT

(Sample Drawn By Industry)

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Test Report No : PAL/HPT/ 436 /W/RND/2021	Report Date :	09.09.2021
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 : 03.09.2021	Date of sample receipt :	04.09.2021
Sample Nature / Name : STP water	Analysis start date :	06.09.2021
Sample Condition : Satisfactory	Analysis completion date :	09.09.2021
Sample code No : 556	Sampling protocol : APHA 23 rd Edition	
Sample particulars : STP Outlet		
Environmental Condition :		

Results

Parameters	Result	Unit	Tolerance limits
pH	7.8	....	6.5 to 9.0
Oil & Grease	6.8	mg/l	10
Biological oxygen Demand for 3 days at 27°C	6	mg/l	10
Total Suspended solids	12	mg/l	20
Chemical Oxygen Demand	24	mg/l	50
Ammonical Nitrogen	2	mg/l	5
*Bioassay test , 96 hr, using fresh water fish, 90% survival in 100% effluent	Passes	90% survival of fish after first 96 hours in 100% effluent

Checked by

CP

28-Sep-2021



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